

ORDER NO. ITD0309040A1

B19

Service Manual

Wide Plasma Display



TH-42PWD6UX

GP6D Chassis

Please file and use this manual together with the service manual for Model No. / TH-42PWD6UY (Main), ORDER NO. ITD0306012C0.

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1. Difference point

1.1. Replacement Parts List

Ref. No.	Parts No.		Part Name & Description	Ren
	Model No.	Model No.		
	TH-42PWD6UY	TH-42PWD6UX		
RTL	TXNHY10QBS	---	CIRCUIT BOARD HY	DELETE
	TPCB40401	TPCB40403	CARTON BOX	CHANGI
	TPCB48401	TPCB48403	CARTON BOX	CHANGI
	TQBC0546	TQBC0650	INSTRUCTION BOOK (ENGILSH)	CHANGI
	TQBC0547	TQBC0651	INSTRUCTION BOOK (FRENCH)	CHANGI
	TQBC0548	TQBC0652	INSTRUCTION BOOK (SPANISH)	CHANGI
	TTUA0675	TTUA0769	REAR COVER	CHANGI

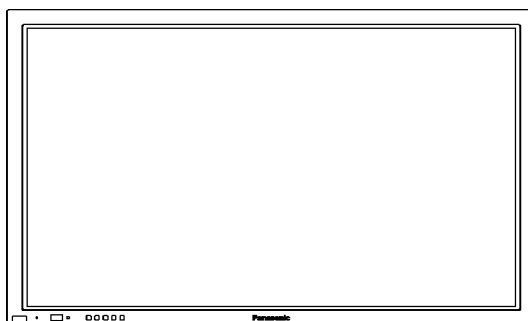
ORDER NO. ITD0306012C0

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Service Manual

Wide Plasma Display

**TH-42PW6EX / TH-42PW6BX / TH-42PWD6EX / TH-42PWD6BX / TH-42PWD6UY
GP6D Chassis**



SPECIFICATIONS

Specifications

Power Source:	AC120V 50/60Hz (UY version) AC220-240V 50/60Hz (Except UY version model)
Power Consumption:	265 W Save off 1.5 W, Save on 0.6 W (stand-by condition) (UY version) Save off 1.8 W, Save on 0.8 W (stand-by condition) (Except UY version model) 0.4 W (Power off condition) (UY version model) 0.6 W (Power off condition) (Except UY version model)
Plasma Display panel:	Drive method AC type 16:9 aspect ratio
Contrast Ratio	4000:1
Screen size:	818 mm (W) × 461 mm (H) 939 mm (diagonal) (37 inch) 920 mm (W) × 518 mm (H) 1,056 mm (diagonal) (42 inch) No. of pixels

	408,960 (852 (W) × 480 (H)) [2,556 × 480 dots]
Operating condition:	
Temperature	34 °F - 104 °F (0 °C - 40 °C)
Humidity	20 % - 80 %
	Horizontal scanning frequency 15.6 - 110kHz
	Vertical scanning frequency 48 - 120Hz
Connection terminals:	
AV	
Video in	1.0 Vp-p (75-ohm)
S-VIDEO IN / (MINI DIN 4PIN)	Y: 1 Vp-p (75-ohm), C: 0.286 Vp-p (75-ohm)
AUDIO IN / (RCA PIN JACK × 2)	0.5 Vrms (high impedance)
COMPONENT/RGB	
Y/G	1.0 Vp-p/composite (75-ohm) 0.7 Vp-p/non-composite (75-ohm)
PB /B	0.7 Vp-p (75-ohm)
PR /R	0.7 Vp-p (75-ohm)
HD	1.0 - 5.0 Vp-p (high impedance)
VD	1.0 - 5.0 Vp-p (high impedance)
AUDIO IN (RCA PIN JACK×2)	0.5 Vrms (high impedance)
PC	
(HIGH-DENSITY D-SUB15PIN)	R,G,B/0.7 Vp-p (75-ohm) HD, VD/1.0 - 5.0 Vp-p (high impedance)
AUDIO IN (M3 JACK)	0.5Vrms (high impedance)
SERIAL	
EXTERNAL CONTROL TERMINAL (D-SUB9PIN)	RS-232C COMPATIBLE
SPEAKERS (External speakers) (6 Ω)	16W [8W+8W] (10% THD)
Dimensions (W×H×D):	1,020 mm × 610 mm 89 mm
Weight (Mass)	approx. 28.9 kg net (main unit only) approx. 33.1 kg net (with speakers)

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1. Applicable signals

VIDEO input

	signal name	horizontal frequency(kHz)	vertical frequency(Hz)
1	NTSC	15.734	59.95
2	PAL	15.625	50
3	PAL60	15.734	59.95
4	SECAM	15.625	50
5	Modified NTSC	15.734	59.95

*** Mark:**
By installing the optional
Terminal Board.

Applicable input signals for PC Input (D-sub 15P) (* Mark)

	signal name	horizontal frequency(kHz)	vertical frequency(Hz)	RGB	PC	when Multi Screen and Digital Zoom
1	525(480)/60i	15.73	59.94	*	*	*
2	525(480)/60p	31.47	59.94	*	*	*
3	625(575)/50i	15.63	50.00	*	*	*
4	625(575)/50p	31.25	50.00	*	*	*
5	750(720)/60p	45.00	60.00	*	*	*
6	750(720)/50p	37.50	50.00	*	*	*
7	1,125(1,080)/60i	33.75	59.94	*	*	*
8	1,125(1,080)/50i	28.13	50.00	*	*	*
9	1,125(1,080)/24p	27.00	24.00	*	*	*
10	1,125(1,080)/24sF	27.00	48.00	*	*	*
11	1,250(1,080)/50i	31.25	50.00	*	*	*
12	640 × 400@70 Hz	31.47	70.00		*	*
13	640 × 480@60 Hz	31.47	59.94		*	*
14	Macintosh13"(640 × 480)	35.00	66.67		*	*
15	640 × 480@75 Hz	37.50	75.00		*	*
16	852 × 480@60 Hz	31.50	60.00		*	*
17	800 × 600@60 Hz	37.88	60.32		*	*
18	800 × 600@75 Hz	46.88	75.00		*	*
19	800 × 600@85 Hz	53.67	85.06		*	*
20	Macintosh16"(832 × 624)	49.73	74.55		*	*
21	1,024 × 768@60 Hz	48.36	60.00		*	*
22	1,024 × 768@70 Hz	56.48	70.07		*	*
23	1,024 × 768@75 Hz	60.02	75.03		*	*
24	1,024 × 768@85 Hz	68.68	85.00		*	*
25	Macintosh21"(1,152 × 870)	68.68	75.06		*	*
26	1,280 × 1,024@60 Hz	63.98	60.02		*	*
27	1,280 × 1,024@75 Hz	79.98	75.03		*	*
28	1,280 × 1,024@85 Hz	91.15	85.02		*	*
29	1,600 × 1,200@60 Hz	75.00	60.00		*	*
30	1,0660 × 600@60 Hz	37.88	60.32		*	*
31	1,366 × 768@60 Hz	48.36	60.00		*	*

2. Safety Precautions

2.1. General Guidelines

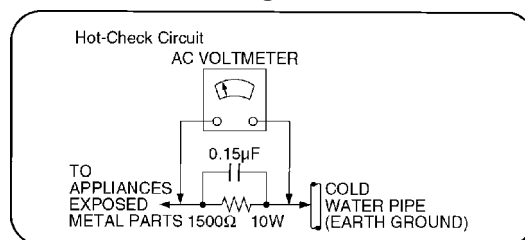
1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

2.1.1. Leakage Current Cold Check

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohmmeter, between the

jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. When the exposed metallic part has a return path to the chassis, the reading should be between $1\text{M } \Omega$ and $5.2\text{M } \Omega$. / When the exposed metal does not have a return path to the chassis, the reading must be ∞ .

Figure 1



2.1.2. Leakage Current Hot Check (See [Figure 1](#) .)

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a $1.5\text{k } \Omega$, 10 watts resistor, in parallel with a $0.15 \mu\text{F}$ capacitors, between each exposed metallic part on the set and a good earth ground such as a water pipe, as shown in [Figure 1](#) .
3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverse the AC plug in the AC outlet and repeat each of the above measurements.
6. The potential at any point should not exceed 0.75 volts RMS. A leakage current tester (Simpson Model 229 or equivalent) may be used to make the hot checks, leakage current must not exceed 1/2 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

3. Prevention of Electro Static Discharge (ESD) to Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such

components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by electro static discharge (ESD).

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static (ESD protected)" can generate electrical charge sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

Caution

Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing

together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device).

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by Δ in the schematic diagrams, Exploded Views and replacement parts list. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire, or other hazards. Do not modify the original design without permission of manufacturer.

4. About lead free solder (PbF)

Note: Lead is listed as (Pb) in the periodic table of elements.

In the information below, Pb will refer to Lead solder, and PbF will refer to Lead Free Solder.

The Lead Free Solder used in our manufacturing process and discussed below is (Sn+Ag+Cu).

That is Tin (Sn), Silver (Ag) and Copper (Cu) although other types are available.

This model uses Pb Free solder in its manufacture due to environmental conservation issues.

For service and repair work, we'd suggest the use of Pb free solder as well, although Pb solder may be used.

PCBs manufactured using lead free solder will have the PbF within a leaf Symbol



stamped on the back of PCB.

Caution

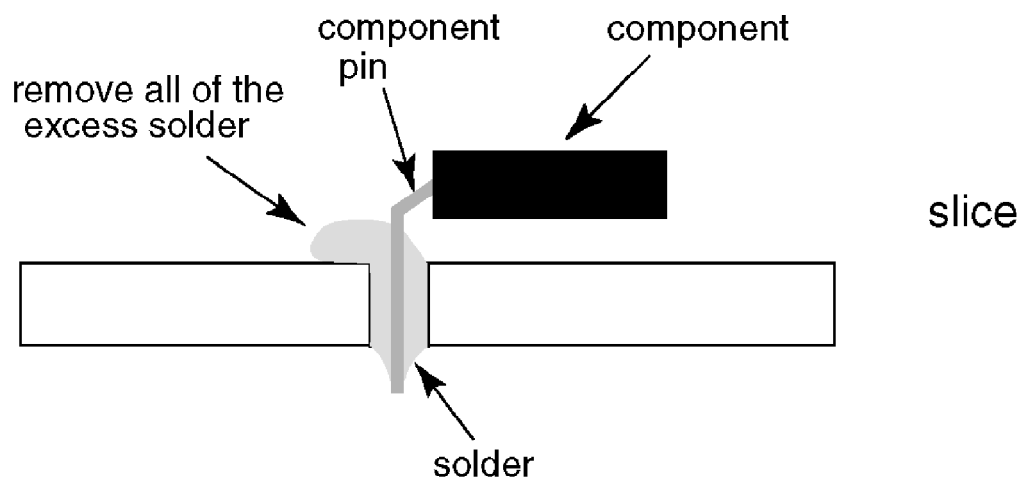
- Pb free solder has a higher melting point than standard solder.

Typically the melting point is 50 ~ 70 °F (30~40 °C) higher. Please use a high temperature soldering iron and set it to 700 ± 20 °F (370 ± 10 °C).

- Pb free solder will tend to splash when heated too high (about 1100 °F or 600 °C).

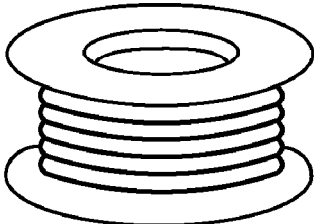
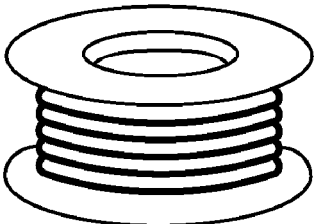
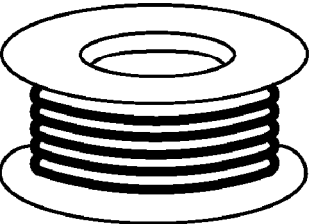
If you must use Pb solder, please completely remove all of the Pb free solder on the pins or solder area before applying Pb solder. If this is not practical, be sure to heat the Pb free solder until it melts, before applying Pb solder.

- After applying PbF solder to double layered boards, please check the component side for excess solder which may flow onto the opposite side. (see figure below)



Suggested Pb free solder

There are several kinds of Pb free solder available for purchase. This product uses Sn+Ag+Cu (tin, silver, copper) solder. However, Sn+Cu (tin, copper), Sn+Zn+Bi (tin, zinc, bismuth) solder can also be used.

0.3mm X 100g	0.6mm X 100g	1.0mm X 100g
		

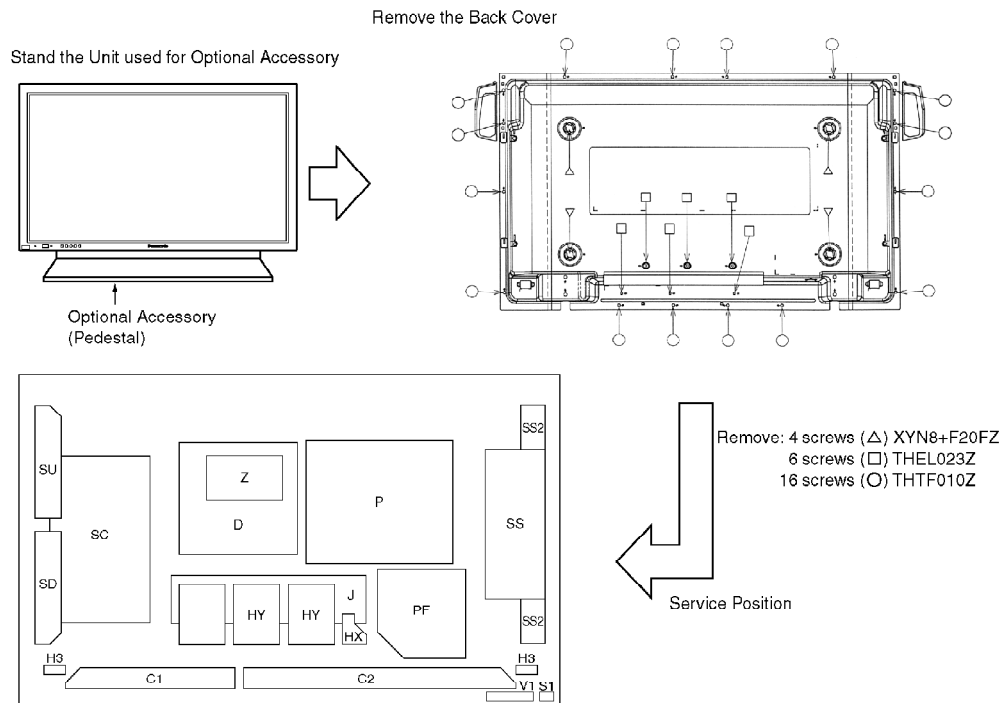
5. PCB Structure sheet of GP6D chassis

Board Name	Function	Remarks
D	Digital Signal Processor	1
J	Slot Interface & SYNC processor	1
Z	Audio out, DC-DC converter	
SS	Sustain Out	1
SC	Scan out	1
SU	Sustain connection (Upper)	1
SD	Sustain connection (Lower)	1
C1	Data Drive (Lower Right)	
C2	Data Drive (Lower Left)	
H3	Speaker terminal	
S1	Power switch	
SS2	Sustain connection (Upper)	
SS3	Sustain connection (Lower)	
V1	Front SW. & Remote receiver	
PF	Line filter	
P	Power supply	1
HX	PC_type_Input terminal	
HY	BNC Composite/Component Video	2
HZ	BNC Component Video	3

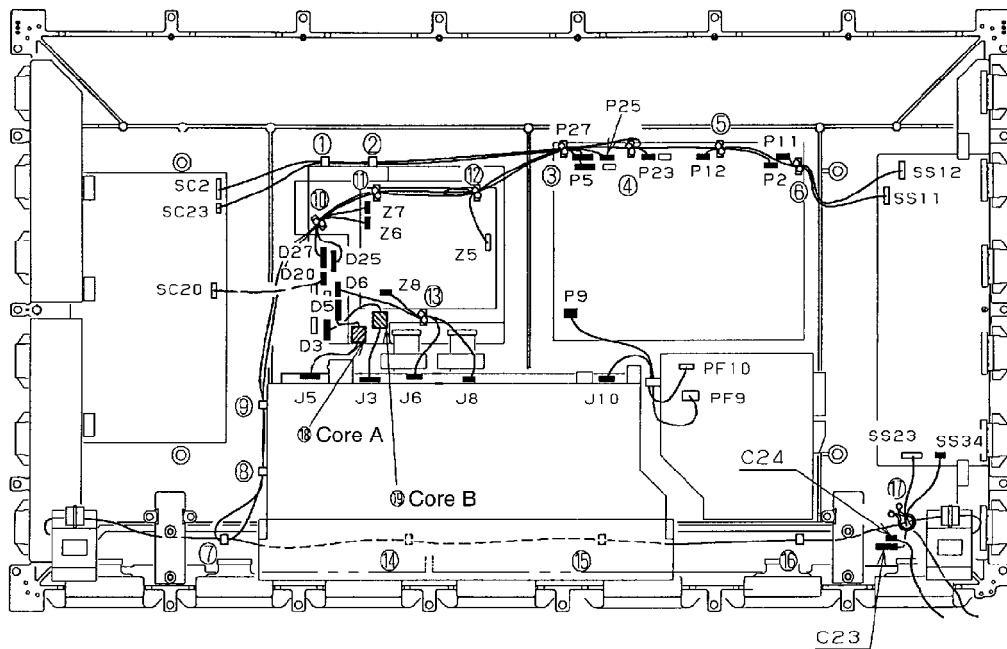
Remarks

1. Recommend PCB's for initial service for GP6D chassis.
2. For System model except BX, EX version
3. For Consumer model except BX, EX version

6. Service Hint



7. Location of Lead Wiring



CLAMPER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
CON: NO — CON: NO																			
SC2 — P2	○	○	○	○	○														
SC23 — P23	○	○	○	○															
SC20 — D20																			
D27 — P27			○							○	○	○							
D25 — P25			○							○	○	○							
D3 — J3																		○	
D25 — J3													○						
Z8 — J8													○						
D5 — J5																		○	
Z5 — P5			○	○								○							
Z7 — H37 (SC SIDE)							○	○	○	○	○								
Z6 — H37 (SS SIDE)							○	○	○	○	○				○	○	○		
P12 — SS12						○	○												
P11 — SS11						○													
C23 — SS23																		○	
POWER SW — SS34																		○	

⊙ Wind up second times.

Connector Connection: P2, P5, P9, P11, P12, P23, P25, P27
 Z6, Z7, Z8,
 D3, D5, D6, D20, D25, D27
 J3, J5, J6, J8, J10,
 SS34,
 C23, C24

8. Adjustment Procedure

8.1. +B Set-up

8.1.1. Item / Preparation

1. Input a Grey scale signal.
2. Set the picture controls: -
Picture mode: Normal
White balance: Normal

8.1.2. Adjustments

Adjust and confirm indicated test point for the specified voltage.

Adjust

Name	Volume	Voltage	Test Point	Remarks
Vsus	R605	170V \pm 1V	P11 pin 2	
Vda	R590	67V \pm 0.5V	P12 pin 1	

Confirm

Name	Voltage	Test Point	Remarks
15V	15.4V \pm 0.5V	P23 pin 1	
15V	15.2V \pm 0.5V	P7 pin 1	
12V	11.8V \pm 0.5V	P25 pin 1	
Audio 12V	12.5V \pm 0.8V	P5 pin 7	
5V	5.1V \pm 0.3V	P25 pin 5	
STB 5V	5.0V \pm 0.3V	P27 pin 4	
Fan 15V	15.4V \pm 0.5V	P10 pin 1	
Fan 5V	5.1V \pm 0.3V	P10 pin 4	
PFC	380V \pm 15V	C468(+), C468(-)	

8.2. Driver Set-up

8.2.1. Item / Preparation

1. Input an APL 100 % white signal.
2. Set the picture controls: -
Picture mode: Normal
White balance: Cool
Aspect: 16:9

8.2.2. Adjustments

Adjust driver section voltages referring the panel data on the panel data label.

Name	Test Point	Voltage	Volume	Remarks
Vsus	TPVSUS (SS)	170V \pm 1V	R605 (P)	
Vbk	TPVBK (SC)	155V \pm 5V	R6443 (SC)	
Ve	TPVE (SS)	158V \pm 1V	R6774 (SS)	
Vset	TPVSET (SC)	218V \pm 6V	---	
Vad	TPVAD (SC)	-90V \pm 1V	R6477 (SC)	
Vscn	TPVSCN (SC)	Vad*+118V \pm 2V	---	
Vda	TPVDA (SS)	67V \pm 1V	R590 (P)	

***See the Panel label.**

Panel Label information

The diagram shows the front of a capacitor with the following labels and fields:

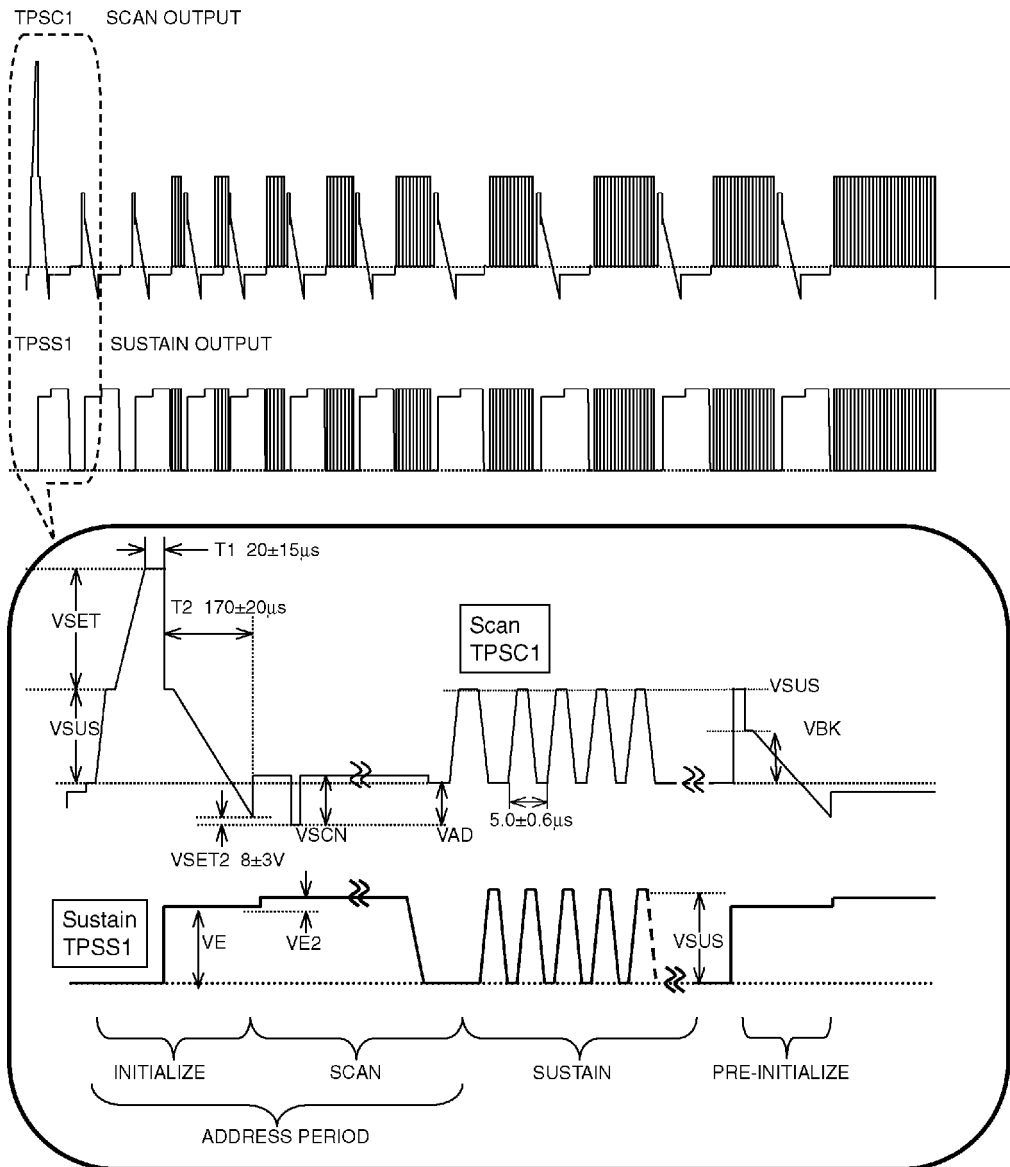
- Top left: A square logo with the letter 'M' inside.
- Top center: Two empty rectangular boxes for marking.
- Middle left: The text "Serial No." followed by a dashed rectangular box.
- Middle center: The text "Ve: [] v, Vsus: [] v" where [] represents a dashed box. An arrow points from the text "Adjustment voltage" to the second dashed box.
- Bottom left: The text "MADE IN JAPAN".
- Bottom right: The text "TQF" followed by a dashed rectangular box.

8.3. Initialization Pulse Adjust

1. Input a Cross hatch signal.
2. Set the picture controls: -
Picture mode: Normal
White balance: Cool

Adjust the indicated test point for the specified wave form.

	Test point	Volume	Level
T1	TPSC1 (SC)	R6523 (SC)	$20 \pm 15 \mu \text{ Sec}$
T2	TPSS1 (SS)	R6557 (SC)	$170 \pm 20 \mu \text{ Sec}$



8.4. P.C.B. (Printed Circuit Board) exchange

8.4.1. Caution

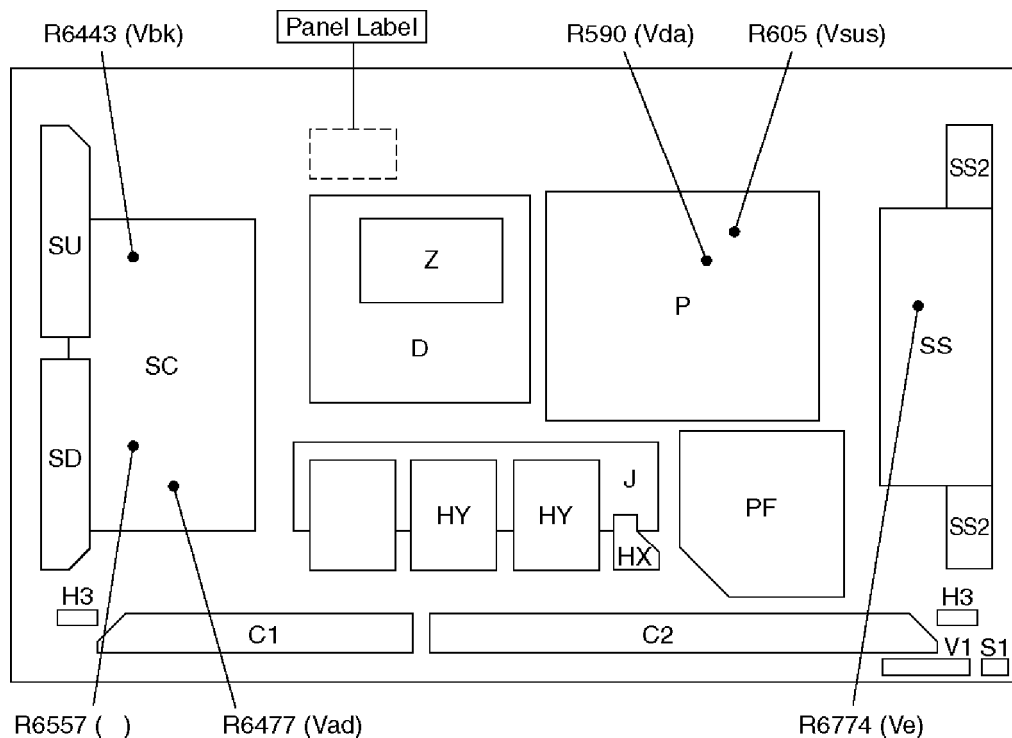
1. To remove P.C.B. , wait 1 minute after power was off for discharge from electrolysis capacitors.

8.4.2. Quick adjustment after P.C.B. exchange

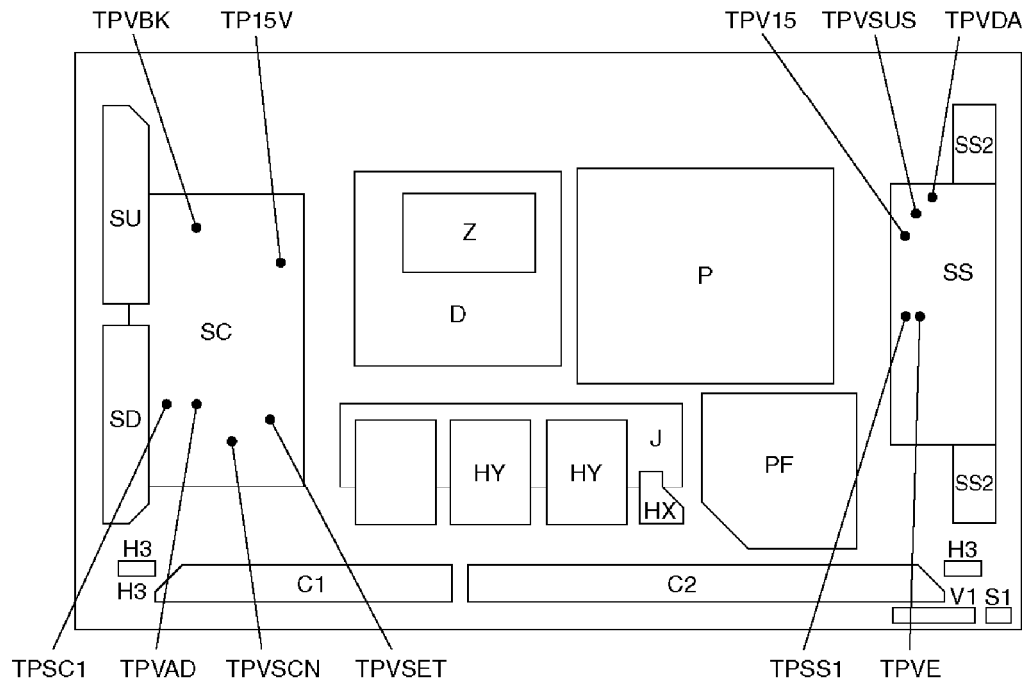
P.C.B.	Name	Test Point	Voltage	Volume	Remarks
P Board	Vsus	TPVSUS (SS)	170V \pm 1V	R605 (P)	
	Vda	TPVDA (SS)	67V \pm 1V	R590 (P)	
SC Board	Vbk	TPVBK (SC)	155V \pm 5V	R6443 (SC)	
	Vad	TPVAD (SC)	-90V \pm 1V	R6477 (SC)	
	Vset	TPVSET (SC)	218V \pm 6V	---	
	Vscn	TPVSCN (SC)	Vad + 118 \pm 2V	---	
SS Board	Ve	TPVE (SS)	158V \pm 1V	R6774 (SS)	
D, J Board	White blanc, Pedestal and Sub brightness for NTSC, PAL, HD, PC and 625i signal				

*See the Panel label.

8.5. Adjustment Volume Location



8.6. Test Point Location



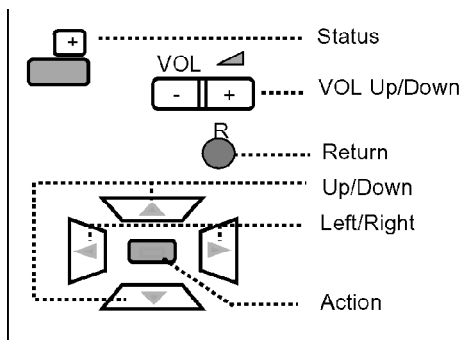
9. Service mode

9.1. CAT (computer Aided Test) mode

CAT mode menu

CAT Panel sys8.2			
Mode	Function	Access button	
IIC Mode	IIC	Service Alignment	Action
CD Mode	CD(Complete Diagnostics)	Software version information EEPROM edit	Mute more than 5 seconds
SD Mode	SD(Status Display)	MTBF parameter	Action
MS Mode	MS Mode	Not use	----
ID Mode	ID	Not use	----

Remote control



How to access the CAT mode.

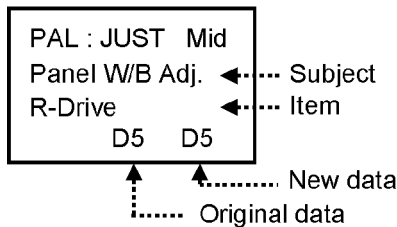
Press and the hold the Volume down / - button on the front panel of the unit and press the status button on the remote control 3 times quickly within 1 second, this will place the unit into the CAT mode.

To exit the CAT mode , access the ID mode and switch off the main power.

9.1.1. IIC mode

Select the IIC mode by Up/Down button on the remote control at the front page of CAT mode then press the Action button on the remote control.

OSD



How to use the IIC mode.

1. Select the alignment **Subject** by Up/Down buttons on the remote control.
2. Select the alignment **Item** by Left/Right buttons on the remote control.
3. Adjust optimum setting by Volume Up/Down buttons on the remote control.
4. The data is memorized when press the R button on the remote control or change the alignment Subject (or Items).

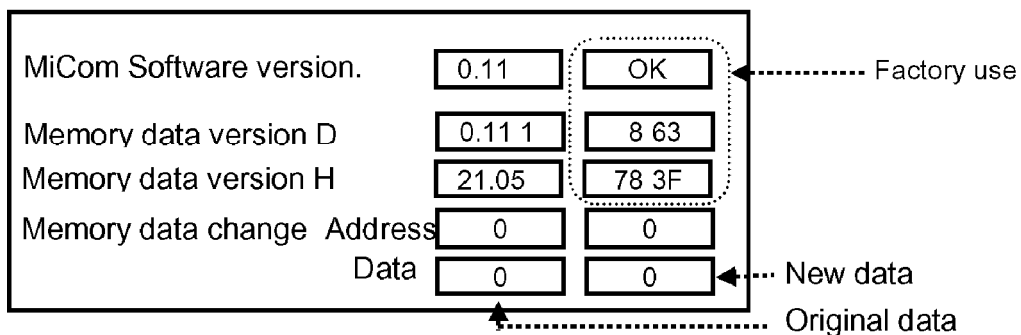
Subject and item are mentioned on page 14.

To exit the IIC mode, press the R button on the remote control.

9.1.2. CD mode

Select the CD mode by Up/Down button on the remote control at the front page of CAT mode then press the Mute button on the remote control more than 5 sec.

OSD

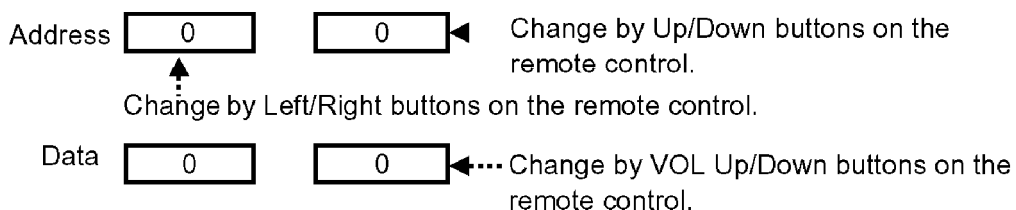


Micom software version (IC9354), this version can be upgrade by

1. replace of new version IC

2. Loading the new version software from loader tool, TZSC07036.

Memory data change



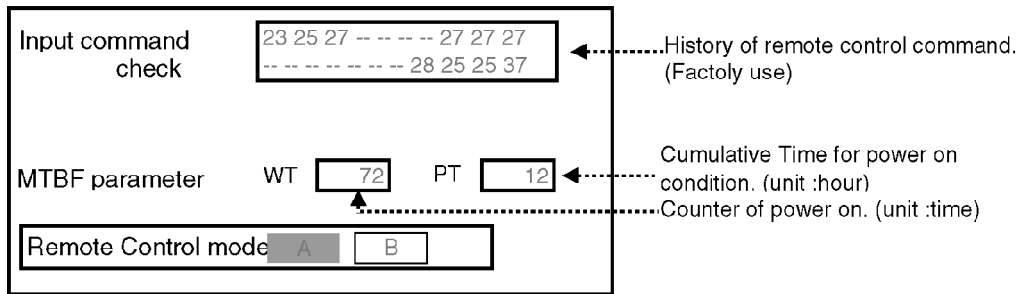
The data is memorized when switch off the main power.

To exit the CD mode, press the R button on the remote control.

9.1.3. SD mode

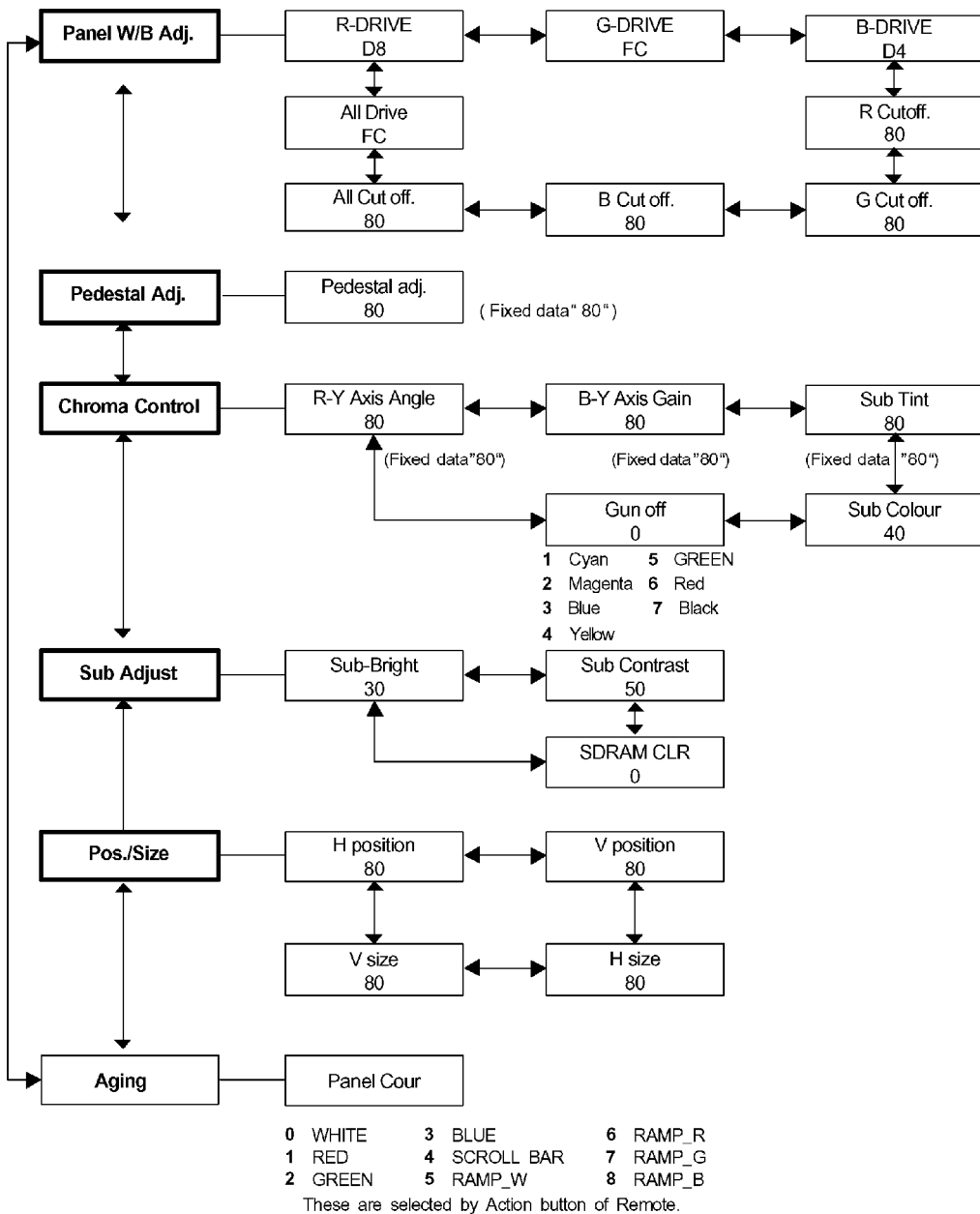
Select the SD mode by Up/Down button on the remote control at the front page of CAT mode then press the Action button on the remote control.

OSD



To exit the SD mode, press the R button on the remote control.

9.2. IIC mode structure (following items value is sample data.)



10. Alignment

10.1. Pedestal setting (C)

Note:

OSD is the difference between UY model and Except UY model. / Picture: Normal (Except UY)/ Standard (UY model) / White balance (Except UY)/Color Temp (UY model)

10.2. Pedestal setting (B)

Note:

OSD is the difference between UY model and Except UY model. / Picture: Normal (Except UY)/ Standard (UY model) / White balance (Except UY)/Color Temp (UY model)

10.3. NTSC panel white balance

10.4. PAL/SECAM panel white balance

10.5. PC/RGB panel white balance

10.6. HD/ 525i /525p /625I /625P panel white balance

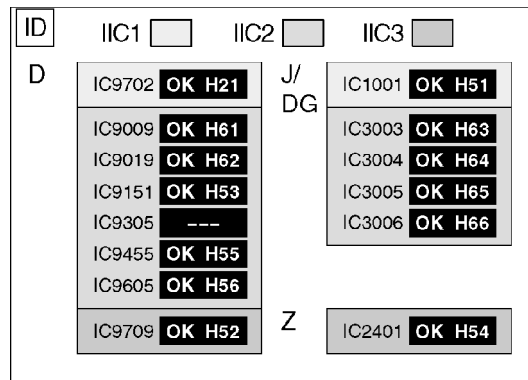
11. Trouble shooting guide

11.1. Self Check

11.1.1. Display Indication

- 1. Self-check is used to automatically check the bus line controlled circuit of the Plasma display.**
- 2. To get into the Self-check mode, press the volume down button on the customer controls at the front of the set, at the same time pressing the OFF-TIMER button on the remote control, and the screen will show :-**

If the CCU ports have been checked and found to be incorrect
Or not located then " - - " will appear in place of " OK "



11.1.2. Power LED Blinking timing chart

1. Subject

Information of LED Flashing timing chart.

2. Contents

When an abnormality has occurred the unit, the protection circuit operates and reset to the stand by mode. At this time, the defective block can be identified by the number of blinks of the Power LED on the front panel of the unit.

Blinking times	Blinking timing	Contents & Check point
1		Main Micom Power
2		SCAN Driver1
3		3.3V SOS
4		5V SOS
5		Power SOS
6		FAN
7		SCAN Driver2
8		TEMP (Not used)
9		SUS Driver

3. Remarks

Above Fan function is operated during the fans are installed.

11.2. No Power

[First check point]

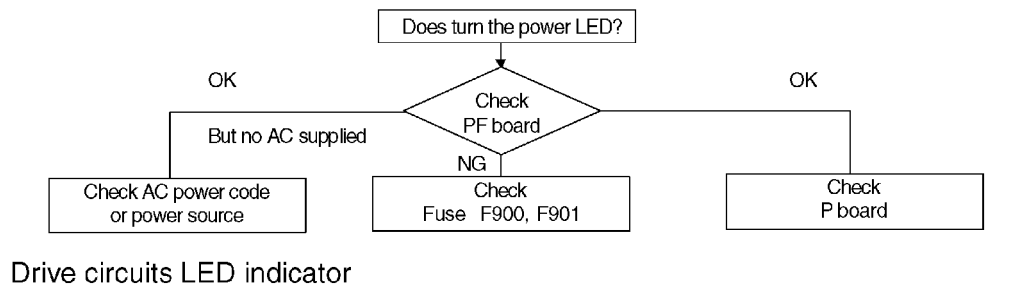
There are following 3 states of No Power indication by power LED.

1. No lit

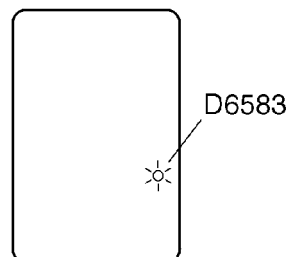
2. Green is lit then turns red blinking a few seconds later.

3. Only red is lit.

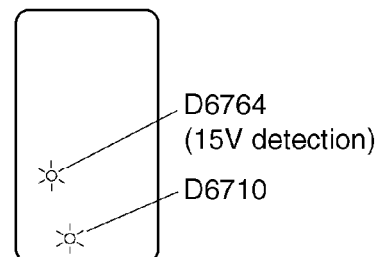
1. No lit



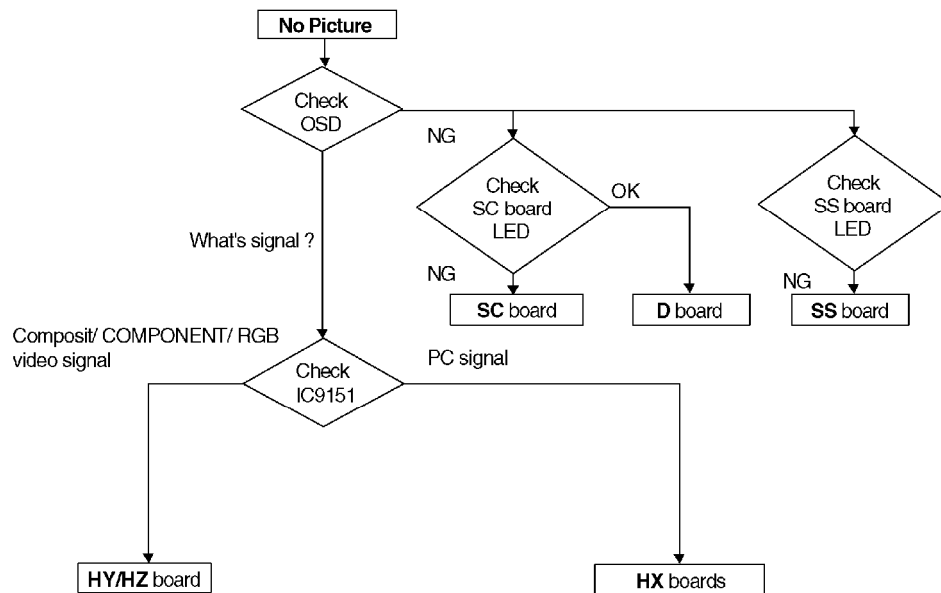
SC board



SS board

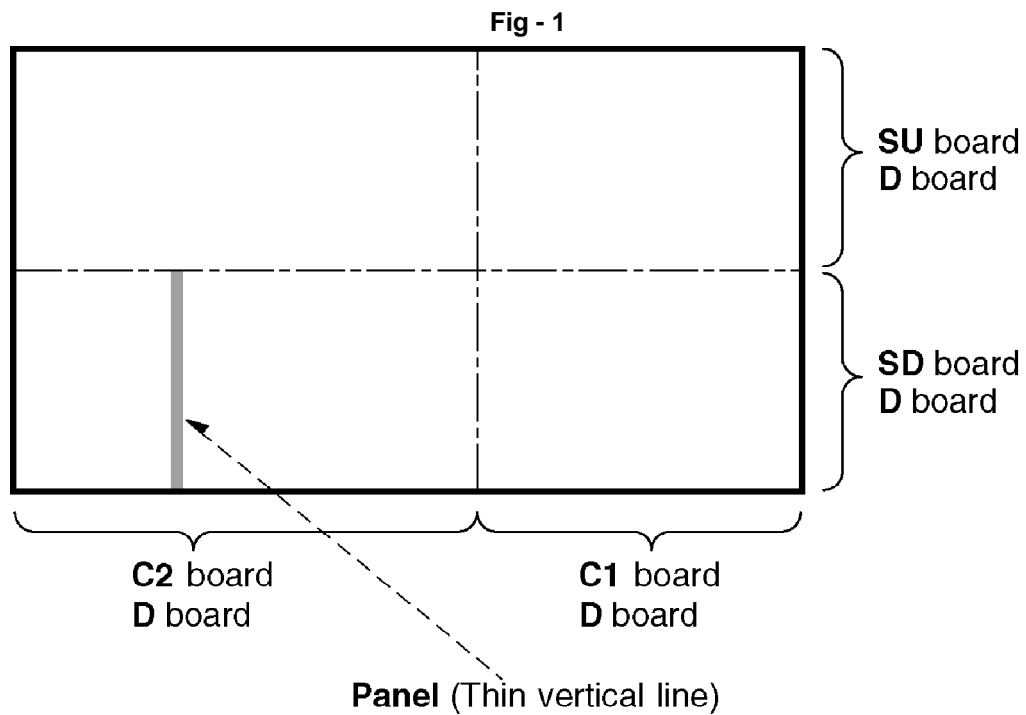


11.3. No Picture



11.4. Local screen failure

Plasma display may have local area failure on the screen. **Fig - 1** is the possible defect P.C.B. for each local area.



<Local screen failure chart>

12. Option Setting

Hidden Option Menu for GP6D series

GP6D chassis series have special function and operation setting facility called Option Menu. This

Option Menu is useful for special function required customers. This should be set at the installation stage. The end user could not set or change these because of hidden On screen menu.

Option menus	default setting	Contents
Off-timer function	Enable	Off-timer operation Enable/Disable.
On Screen display	On	Enable/Disable to display input mode indication after power on and no signal indication.
Initial Input	Off	Sets the initial input mode when the power is turned on. Allow input mode selection while power is on.
Initial VOL. level	Off	Sets the initial volume level when the power is turned on. Allow Volume control while power is on.
Maximum VOL. Level	Off	Sets the maximum volume to desired level. Volume cannot exceed this level.
INPUT lock	Off	Fixes the input mode to AV, Component/RGB or PC. Cannot change input mode by input selection key.
Button lock	Off	Enable/Disable front operation buttons (Input and/or volume up/down)
Studio W/B	Off	Set warm mode color temperature to 3,200 Kelvin.
Remocon User Level	Off	Remote key invalidation. Off : Valid key is all key of remote. User1 : Valid key are only Stand-by (ON/OFF), Input Status, Surround, Sound mute On/Off, and volume adjustment. User2: Valid key is only Stand-by (ON/OFF). User3 : All keys are null and void
ID Select	0 to 100	Set ID number from 001 to 100.
Remote ID	Off	Remote ID function On/Off. (While the Remote ID on, standard remote function control the unit.)
Serial	Off	Serial ID function On/Off
Slot power	Off	Sets the slot power mode the power is turned on. Allow Optional Terminal Board insert Slots while power is on.

Note :

How to set Remocon User Level and Remote ID off

- 1. Access service mode (CAT-mode) and press SET UP key on remote.**
- 2. Access Hidden option menu.**
- 3. Change Remocon User Level and/ or Remote ID set to Off.**

13. Conductor Views

13.1. PF-Board

13.2. P-Board

13.3. HX-Board

13.4. HY-Board

13.5. J-Board

13.6. D-Board

13.7. C1-Board

13.8. C2-Board

13.9. SC-Board

13.10. SU and SD-Board

13.11. SS, SS2 and SS3-Board

13.12. Z-Board

13.13. V1, S1 and H3-Board

14. Block and Schematic Diagrams

14.1. Schematic Diagram Notes

14.2. Main Block Diagram

14.3. PF-Board Block Diagram

14.4. PF-Board Schematic Diagram

14.5. P-Board Block Diagram

14.6. P-Board (1 of 2) Schematic Diagram

14.7. P-Board (2 of 2) Schematic Diagram

- 14.8. HX-Board Schematic Diagram**
- 14.9. HY-Board Block Diagram**
- 14.10. HY-Board (1 of 2) Schematic Diagram**
- 14.11. HY-Board (2 of 2) Schematic Diagram**
- 14.12. J-Board Block Diagram**
- 14.13. J-Board (1 of 4) Schematic Diagram**
- 14.14. J-Board (2 of 4) Schematic Diagram**
- 14.15. J-Board (3 of 4) Schematic Diagram**
- 14.16. J-Board (4 of 4) Schematic Diagram**
- 14.17. D-Board Block Diagram**
- 14.18. D-Board (1 of 11) Schematic Diagram**
- 14.19. D-Board (2 of 11) Schematic Diagram**
- 14.20. D-Board (3 of 11) Schematic Diagram**
- 14.21. D-Board (4 of 11) Schematic Diagram**
- 14.22. D-Board (5 of 11) Schematic Diagram**
- 14.23. D-Board (6 of 11) Schematic Diagram**
- 14.24. D-Board (7 of 11) Schematic Diagram**
- 14.25. D-Board (8 of 11) Schematic Diagram**
- 14.26. D-Board (9 of 11) Schematic Diagram**
- 14.27. D-Board (10 of 11) Schematic Diagram**
- 14.28. D-Board (11 of 11) Schematic Diagram**
- 14.29. C1, C2 and V1-Board Block Diagram**
- 14.30. C1-Board Schematic Diagram**
- 14.31. C2 and V1-Board Schematic Diagram**
- 14.32. SC-Board Block Diagram**

14.33. SC-Board (1 of 2) Schematic Diagram

14.34. SC-Board (2 of 2) Schematic Diagram

14.35. SU-Board Block Diagram

14.36. SU-Board Schematic Diagram

14.37. SD-Board Block Diagram

14.38. SD-Board Schematic Diagram

14.39. SS, S1, SS2 and SS3-Board Block Diagram

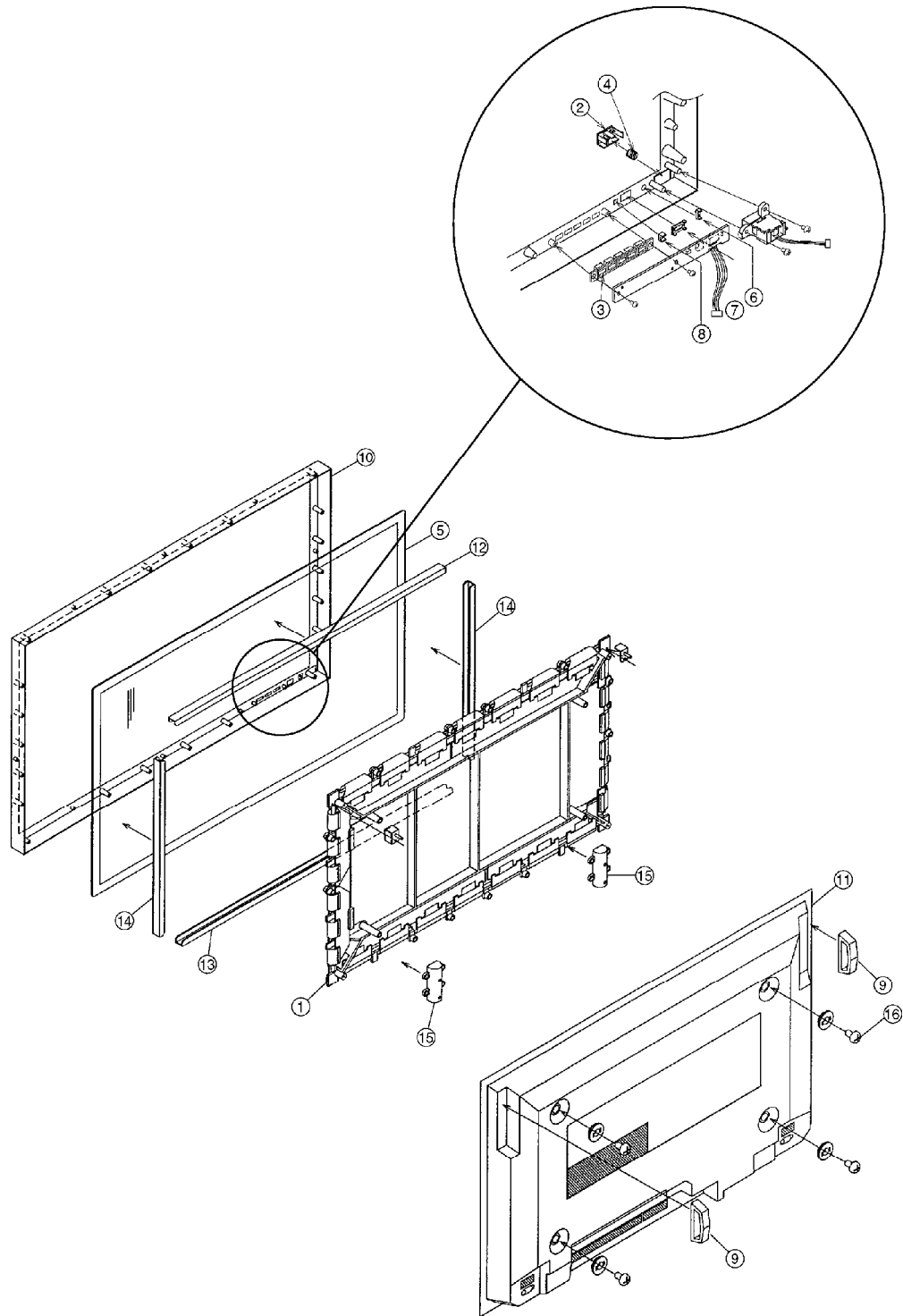
14.40. SS, S1, SS2 and SS3-Board Schematic Diagram

14.41. Z and H3-Board Block Diagram

14.42. Z and H3-Board (1 of 2) Schematic Diagram






















14.43. Z and H3-Board (2 of 2) Schematic Diagram







15. Parts Location



16. Mechanical Replacement Parts List

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	EUR646529	REMOTE CONTROL	1	TH-42PWD6BX/EX/UY
	EUR646530	REMOTE CONTROL	1	TH-42PW6BX/EX
	J0KF00000018	FILTER	1	
	J0KG00000042	NOISE FILTER	2	
	J0KG00000054	NOISE FILTER	2	
	K2AH3H000021	AC INLET	1	⚠
	K2CG3DH00025	AC CORD	1	TH-42PWD6UY ⚠
	K2CN3DH00004	AC CORD	1	TH-42PW6EX, TH-42PWD6EX ⚠
	K2CT3DH00013	AC CORD	1	TH-42PW6BX, TH-42PWD6BX ⚠
1	MD42S06A1J	PLASMA DISPLAY PANEL	1	⚠
	TBMA008	PANASONIC BADGE	1	TH-42PWD6BX/EX/UY
	TBMA118	PANASONIC BADGE	1	TH-42PW6BX/EX
2	TBXA28202A	POWER BUTTON	1	TH-42PWD6BX/EX/UY
2	TBXA28214	POWER BUTTON	1	TH-42PW6BX/EX
3	TBXA38901	HINGE BUTTON	1	TH-42PW6BX/EX
3	TBXA38902	HINGE BUTTON	1	TH-42PWD6BX/EX/UY
4	TESD031	SPRING	1	
	THEA068N	SCREW	4	
	THEL023Z	SCREW	14	
	THEL027N	SCREW	26	
	THTF003Y	SCREW	19	
	THTF010Z	SCREW	16	
5	TKGA5118	FRONT GALAS	1	
6	TKKC5105	LED PANEL	1	
	TKKL5266	COVER	1	
7	TKPA60301	REMOCON RECEIVE PANEL	1	TH-42PWD6BX/EX/UY
7	TKPA60302	REMOCON RECEIVE PANEL	1	TH-42PW6BX/EX
8	TKPA63401	PHOTO IC RECEIVE PANEL	1	
9	TKRA20501	HANDLE	2	
	TMKG288	CUSHION	2	
	TMKG289	CUSHION	2	
	TMKX263-2	INSULATOR	1	
	TMM15414-2	CLAMPER	2	
	TMM17499	CLAMPER	1	
	TMM25401	CLAMPER	2	
	TMM7468-1	CLAMPER	2	
	TMME047	CLAMPER	7	
	TMME061	CLAMPER	4	
	TMME075	EDGE SADDLE	2	
	TMME152	CLAMPER	1	
	TMME185	CLAMPER	2	
	TMME187	CLAMPER	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	TMME225	AC CORD CLAMPER	1	
	TMME228	CLAMPER	2	
	TMWC006-1	POWER BUTTON BRACKET	1	
	TMXX021-1	CORE HOLDER	2	
	TPCA95901A	BOTTOM CARTON	1	
	TPCB34107	CARTON BOX	1	TH-42PWD6EX 
	TPCB34108	CARTON BOX	1	TH-42PWD6BX 
	TPCB34114	CARTON BOX	1	TH-42PW6EX 
	TPCB34115	CARTON BOX	1	TH-42PW6BX 
	TPCB40401	CARTON BOX	1	TH-42PWD6UY 
	TPCB48401	CARTON BOX	1	
	TPD169487	JOINT	8	
	TPDA0510-1	CUSHION(UPPER RIGHT)	1	
	TPDA0511-1	CUSHION(UPPER LEFT)	1	
	TPDA0512	CUSHION(UPPER CENTER)	1	
	TPDA0513	CUSHION(BOTTOM RIGHT)	1	
	TPDA0514	CUSHION(BOTTOM LEFT)	1	
	TPDA0515-2	CUSHION(BOTTOM CENTER)	1	
	TPDA0675	CUSHION(UPPER RIGHT/LEFT)	2	TH-42PWD6UY
	TPDA0676	CUSHION(UPPER CENTER)	1	TH-42PWD6UY
	TPDA0794	CUSHION(BOTTOM RIGHT/LEFT)	1	TH-42PWD6UY
	TPDF0596	CUSHION	1	
	TPDF0737	PAPER BOX	1	
	TPDF0905	PAD(UPPER)	1	TH-42PWD6UY
	TPEH170	PROTECT COVER	1	
	TPGA2140	CARTON BOX	1	TH-42PWD6UY
	TPGA2150	BOTTOM CARTON	1	TH-42PWD6UY
	TQBC0546	INSTRUCTION BOOK(ENGLISH)	1	TH-42PWD6UY 
	TQBC0547	INSTRUCTION BOOK(FRENCH)	1	TH-42PWD6UY 
	TQBC0548	INSTRUCTION BOOK(SPANISH)	1	TH-42PWD6UY 
	TQBC0549	INSTRUCTION BOOK(ENGLISH)	1	TH-42PW6EX 
	TQBC0550	INSTRUCTION BOOK(GERMAN)	1	TH-42PW6EX 
	TQBC0551	INSTRUCTION BOOK(FRENCH)	1	TH-42PW6EX 
	TQBC0552	INSTRUCTION BOOK(ITALIAN)	1	TH-42PW6EX 
	TQBC0553	INSTRUCTION BOOK(SPANISH)	1	TH-42PW6EX 
	TQBC0554	INSTRUCTION BOOK(DUTCH)	1	TH-42PW6EX 
	TQBC0555	INSTRUCTION BOOK(DANISH)	1	TH-42PW6EX 
	TQBC0556	INSTRUCTION BOOK(SWEDISH)	1	TH-42PW6EX 
	TQBC0563	INSTRUCTION BOOK(ENGLISH)	1	TH-42PW6BX 
	TQBC0587	INSTRUCTION BOOK(ENGLISH)	1	TH-42PWD6EX 
	TQBC0588	INSTRUCTION BOOK(GERMAN)	1	TH-42PWD6EX 
	TQBC0589	INSTRUCTION BOOK(FRENCH)	1	TH-42PWD6EX 
	TQBC0590	INSTRUCTION BOOK(ITALIAN)	1	TH-42PWD6EX 
	TQBC0591	INSTRUCTION BOOK(SPANISH)	1	TH-42PWD6EX 
	TQBC0592	INSTRUCTION BOOK(DUTCH)	1	TH-42PWD6EX 
	TQBC0593	INSTRUCTION BOOK(DANISH)	1	TH-42PWD6EX 

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	TQBC0594	INSTRUCTION BOOK(SWEDISH)	1	TH-42PWD6EX 
	TQBC0595	INSTRUCTION BOOK(ENGLISH)	1	TH-42PWD6BX 
	TSXL139	CABLE	6	
	TSXL222	FFC LEAD(C-C)	1	
	TSXL231	CABLE	6	
	TSXL278	FFC LEAD(FPC)(D-C1/2)	2	
10	TTEA0128	ESCUTCHEON	1	TH-42PWD6BX/EX/UY 
10	TTEA0129	ESCUTCHEON	1	TH-42PW6BX/EX 
11	TTUA0675	REAR COVER	1	TH-42PWD6UY 
11	TTUA0676	REAR COVER		TH-42PW6BX/EX, TH-42PWD6BX/EX 
12	TXFMX020MMS	PLATE(FRONT UPPER/UPPER)	1	
13	TXFMX030MMS	PLATE(FRONT BOTTOM/BOTTOM)	1	
14	TXFMX040MMS	PLATE(FRONT GALAS/R/L)	2	
15	TXFMZ010QBS	STAND POOL BRACKET	2	
	TXJSPL0QBS	SPEAKER LEAD(LEFT)	1	
	TXJSR0QBS	SPEAKER LEAD(RIGHT)	1	
	XTB4+10A	SCREW	20	
	XTBT964	SCREW	2	
	XTS3+10J	SCREW	8	
	XTV3+6J	SCREW	2	
	XTW3+8T	SCREW	3	
	XYN3+C8	SCREW	2	
	XYN3+F10	SCREW	16	
	XYN3+F10FZ	SCREW	2	
	XYN3+F8	SCREW	70	
	XYN4+E8	SCREW	1	
	XYN5+C15	SCREW	6	
16	XYN8+F20FZ	SCREW	4	
	XZBT6506	POLY BAG	1	

17. Replacement Parts List

17.1. Replacement Parts List Notes

Important Safety Notice

*Components identified by Δ mark have special characteristics important for safety.
When replacing any of these components, use only manufacturer's specified parts.*

RTL (Retention Time Limited)

Note: The marking (RTL) indicates that the Retention Time is Limited for this item.

After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependant on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

Abbreviation of part name and description

1. Resistor

Example:

ERD25TJ104 \underline{C} 100KOHM, \underline{J} 1/4W
Type Allowance

2. Capacitor

Example:

ECKF1H103ZF \underline{C} 0.01UF, \underline{Z} 50V
Type Allowance







Type	Allowance
C : Carbon	F : $\pm 1\%$
F : Fuse	G : $\pm 2\%$
M : Metal Oxide	J : $\pm 5\%$
Metal Film	K : $\pm 10\%$
S : Solid	M : $\pm 20\%$
W : Wire Wound	

Type	Allowance
C : Ceramic	C : $\pm 0.25\text{pF}$
E : Electrolytic	D : $\pm 0.5\text{pF}$
P : Polyester	F : $\pm 1\text{pF}$
Polypropylene	G : $\pm 3\text{pF}$
T : Tantalum	J : $\pm 5\text{pF}$
	K : $\pm 10\text{pF}$
	L : $\pm 15\text{pF}$
	M : $\pm 20\text{pF}$
	P : +100%, -0%
	Z : +80%, -20%

17.2. Electrical Replacement List

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
F902	K5D312BK0012	FUSE	1	
F900.901	K5Y802B00001	FUSE	2	
C11	K1MN50B00026	50P CONNECTOR	1	
C12	K1MN20B00043	CONNECTOR	1	
C21	K1MN50B00026	50P CONNECTOR	1	
C22	K1MN20B00043	CONNECTOR	1	
C23	K1KA11A00102	11P CONNECTOR	1	
C24	K1KA08A00232	8P CONNECTOR	1	
C403-05	ECKDAE472ZE	C 4700PF, Z,	3	
C406	ECA2WHG100	E 10UF, 450V	1	
C407	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C408	ECKD3D392KBP	C 3900PF, K, 2KV	1	
C409	ECA1EHG470	E 47UF, 25V	1	
C410	ECKD2H821KB5	C 820PF, K,500V	1	
C411	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C412,13	ECA1HHG470	E 47UF, 50V	2	
C414	ECKD2H561KB2	C 560PF, K,500V	1	
C415	ECJ3VC1H472J	C 4700PF, J, 50V	1	
C416	EEUFC1C471	E 470UF, 16V	1	
C417	ECA1EHG470	E 47UF, 25V	1	
C418	ECA1CHG101	E 100UF, 16V	1	
C419	ECA1AHG471	E 4700UF, 10V	1	
C420	ECA1EHG101	E 100UF, 25V	1	
C421,22	ECKF1H223ZF	C 0.022UF, Z, 50V	2	
C423	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C451-53	ECKDAE472ZE	C 4700PF, Z,	3	
C455	ECQE6105JF	P 1UF, J,630V	1	
C456	EEUFC1V331	E 220UF, 35V	1	
C457	ECQB1H103JF	P 0.01UF, J, 50V	1	
C458	ECJ2VC1H821J	C 820PF, J, 50V	1	
C459	EEUFC1H330	E 33UF, 50V	1	
C460	ECJ2XC1H101J	C 100PF, J, 50V	1	
C461	ECJ2XC1H331J	C 330PF, J, 50V	1	
C462	ECQB1H104JF	P 0.1UF, J, 50V	1	
C463	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C464	ECQB1H104JF	P 0.1UF, J, 50V	1	
C465	ECA1HHG010	E 1UF, 50V	1	
C466	ECKD3D101KBP	C 100PF, K, 2KV	1	
C468,69	EETHC2W331L	E 330UF, 450V	2	
C470	ECA1EHG331	E 330UF, 25V	1	
C471	ECQB1H104JF	P 0.1UF, J, 50V	1	
C551,52	ECJ2XC1H471J	C 470PF, J, 50V	2	
C553	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C554	ECJ2XC1H221J	C 220PF, J, 50V	1	
C555	EEUEB1E101	E 100UF, 25V	1	
C556	EEUEB1H220	E 22UF, 50V	1	
C557	ECQE6473KF	P 0.047UF, K,630V	1	
C558	ECKD3D101KBP	C 100PF, K, 2KV	1	
C559	ECQE6473KF	P 0.047UF, K,630V	1	
C560	ECKD3D221KBP	C 220PF, K, 2KV	1	
C561,62	ECJ3VC1H472J	C 4700PF, J, 50V	2	

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Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C563	ECKDNA102KB	C 1000PF, Z,	1	
C564	ECKD3A101KBP	C 100PF, K, 1KV	1	
C565	EETHC2C821B	E 820UF, 160V	1	
C566	ECKD3D102KBP	C 1000PF, K, 2KV	1	
C567,68	ECJ3VC1H472J	C 4700PF, J, 50V	2	
C569	ECKD3A101KBP	C 100PF, K, 1KV	1	
C570	ECKD3A471KBP	C 470PF, K, 1KV	1	
C571	ECKD3A101KBP	C 100PF, K, 1KV	1	
C572	EEUFC1E222	E 2200UF, 25V	1	
C573,74	EETHC2D182L	E 1800UF, 200V	2	
C575	EEUEB1H220	E 22UF, 50V	1	
C576	EEUFC1E222	E 2200UF, 25V	1	
C577	ECA1EHG222	E 2200UF, 25V	1	
C578	ECQB1H332JF	P 3300PF, J, 50V	1	
C579	ECA1EHG221	E 220UF, 25V	1	
C581	EEUFC0J122	E 1200UF, 6.3V	1	
C583	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C584	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C585	EEUEB1E101	E 100UF, 25V	1	
C586	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C590	EEUFC1E222	E 2200UF, 25V	1	
C591	ECKD3A101KBP	C 100PF, K, 1KV	1	
C650	EEUEB1E101	E 100UF, 25V	1	
C802	EEUFC1E471	E 470UF, 25V	1	
C803	EEUFC1E331	E 330UF, 25V	1	
C805	EEUFC1C102	E 1000UF, 16V	1	
C806	EEUFC1A102	E 1000UF, 10V	1	
C807	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C808,09	ECQB1H103JF	P 0.01UF, J, 50V	2	
C810	EEUFC1E561	E 560UF, 25V	1	
C811	ECQB1H103JF	P 0.01UF, J, 50V	1	
C812	ECQB1H104JF	P 0.1UF, J, 50V	1	
C813	ECQB1H473JF	P 0.047UF, J, 50V	1	
C814	EEUFC0J152	E 1500UF, 6.3V	1	
C815	ECQB1H104JF	P 0.1UF, J, 50V	1	
C816	ECQB1H682JF3	P 6800PF, J, 50V	1	
C901	ECQU2A105BN9	P 1UF, 250V	1	
C902-05	ECKCNA221KB7	C 220PF, M,	4	
C906,07	ECQU2A224BN9	P 0.22UF, 250V	2	
C912	ECQU2A105MGA	P 1UF, 250V	1	
C913	EETHC2W101J	C 4700PF, Z,450V	1	
C914	ECQE6223KF	P 0.022UF, K,400V	1	
C915	ECA1HHG100	E 10UF, 50V	1	
C916	ECA1VHG470	E 47UF, 35V	1	
C917	ECQV1H104JM	P 0.1UF, J, 50V	1	
C918	ECA1HHG330	E 33UF, 50V	1	
C919	ECKD3D102KBP	C 1000PF, K, 2KV	1	
C920	ECKCNA221KB7	C 220PF, M,	1	
C921	ECKD3A221KBP	C 220PF, K, 1KV	1	
C922	EEUFC1E272	E 2700UF, 25V	1	
C923	EEUFC1E152	E 1500UF, 25V	1	
C924	ECA1HHG010	E 1UF, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C925	ECA1HHG100	E 10UF, 50V	1	
C951	EEVHB1C470	E 47UF, 16V	1	
C952	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C953-58	EEVHB1C470	E 47UF, 16V	6	
C959,60	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C961	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C962-64	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C965	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C966	EEVHB1C470	E 47UF, 16V	1	
C967,68	ECJ1VF1H103Z	C 0.01UF, Z, 50V	2	
C969	EEVHB1C470	E 47UF, 16V	1	
C970	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C971	EEVHB1C470	E 47UF, 16V	1	
C972	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C1001,02	ECJ1XC1H150J	C 15PF, J, 50V	2	
C1003	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C1004	EECS5R5H155	E 1.5UF, 5.5V	1	
C1530	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C2312	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C2313	ECA1HHG470	E 47UF, 50V	1	
C2314	ECA1EHG470	E 47UF, 25V	1	
C2350,51	TCUY1C225KBM	C 2.2UF, 16V	2	F1K1C225A026
C2352,53	ECA1HHG100	E 10UF, 50V	2	
C2354,55	ECA1VM470	E 47UF, 35V	2	
C2356,57	ECJ2XB1H102K	C 1000PF, K, 50V	2	
C2358,59	ECA1HM2R2	E 2.2UF, 50V	2	
C2360,61	ECJ2XC1H102J	C 1000PF, J, 50V	2	
C2362,63	ECA1EM471	E 470UF, 25V	2	
C2364,65	ECQV1H104JM	P 0.1UF, J, 50V	2	
C2366,67	ECQV1H225JM	P 2.2UF, J, 50V	2	
C2368,69	ECQV1H104JM	P 0.1UF, J, 50V	2	
C2370	ECA1VM470	E 47UF, 35V	1	
C2417	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C2419	ECA1HHG100	E 10UF, 50V	1	
C2422	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C2423	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C2426	ECJ2XB1H153K	C 0.015UF, K, 50V	1	
C2427	ECA1HHG100	E 10UF, 50V	1	
C2429	EEAGA1C101	E 100UF, 16V	1	
C2431	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C2433	ECJ2XB1H393K	C 0.039UF, K, 50V	1	
C2434	ECJ2XB1H223K	C 0.022UF, K, 50V	1	
C2435	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C2436	ECJ3VB1C104K	C 0.10UF, K, 16V	1	
C2437,38	EEAGA1C101	E 100UF, 16V	2	
C2440,41	ECJ3XF1C475Z	C 4.7UF, Z, 16V	2	
C2442	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C2450	ECA1HHG100	E 10UF, 50V	1	
C2451	ECA1HHG4R7	E 4.7UF, 50V	1	
C2452	ECJ2XB1H562K	C 5600PF, K, 50V	1	
C2453	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C2454	ECA1HHG4R7	E 4.7UF, 50V	1	
C2457	ECA1HHG4R7	E 4.7UF, 50V	1	
C2458	ECJ2XC1H102J	C 1000PF, J, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C2459	ECJ3VB1C104K	C 0.10UF, K, 16V	1	
C2460	ECJ2XB1H473K	C 0.047UF, K, 50V	1	
C2461	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C2463	ECJ2XB1H473K	C 0.047UF, K, 50V	1	
C2466,67	ECJ3VB1C104K	C 0.10UF, K, 16V	2	
C2480	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C2484	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C3001	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C3002	ECJ2XB1E104K	C 0.1UF, K, 25V	1	
C3003	EEVHP1A100	E 10UF, 10V	1	
C3004	EEVHB1C470	E 47UF, 16V	1	(J)
C3004	EEVHP1A100	E 10UF, 10V	1	(HY)
C3005	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3005	ECJ2VF1C105Z	C 1UF, Z, 16V	1	(J)
C3006	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3006	ECJ2VF1C105Z	C 1UF, Z, 16V	1	(J)
C3007	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3007	EEVHB1C470	E 47UF, 16V	1	(J)
C3008	ECJ1VF1H104Z	C 0.1UF, Z, 50V	1	
C3009	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(J)
C3009	EEVHB1C470	E 47UF, 16V	1	(HY)
C3010	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3011	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(J)
C3011	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3012	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	(J)
C3012	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3013	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	(J)
C3013	ECJ2VF1C105Z	C 1UF, Z, 16V	1	(HY)
C3014	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	(J)
C3014	EEVHB1C470	E 47UF, 16V	1	(HY)
C3015	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	(J)
C3015	ECJ1XC1H470J	C 47PF, J, 50V	1	(HY)
C3016	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	(J)
C3016	ECJ1XC1H220J	C 22PF, J, 50V	1	(HY)
C3017	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	(J)
C3017	ECJ1XC1H680J	C 68PF, J, 50V	1	(HY)
C3018	EEVHB1C470	E 47UF, 16V	1	
C3019	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3019	TCUY0J335MBM	C 3.3UF, 6.3V	1	F1K0J335A003 (HY)
C3020	EEVHP1A100	E 10UF, 10V	1	(HY)
C3020	TCUY1C225KBM	C 2.2UF, 16V	1	F1K1C225A026 (J)
C3021	ECJ2VF1C105Z	C 1UF, Z, 16V	1	(HY)
C3021	TCUY1C225KBM	C 2.2UF, 16V	1	F1K1C225A026 (J)
C3022	ECJ1VF1A105Z	C 1UF, Z, 10V	1	(HY)
C3022-31	TCUY1C225KBM	C 2.2UF, 16V	10	F1K1C225A026 (J)
C3032	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3040,41	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C3051-54	ECJ1XC1H561J	C 560PF, J, 50V	4	
C3055,56	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C3101	EEVHB0G221	E 220UF, 4V	1	
C3102	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3103	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C3104	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3104,05	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	(J)

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3105	EEVHB0G221	E 220UF, 4V	1	(HY)
C3106	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3106	TCUY1C225KBM	C 2.2UF, 16V	1	F1K1C225A026 (J)
C3107	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3107	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3108	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3108	TCUY1C225KBM	C 2.2UF, 16V	1	F1K1C225A026 (J)
C3109	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3109	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3110	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3110	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3111	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3111	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3112	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3112	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3113	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3113	TCUY1C225KBM	C 2.2UF, 16V	1	F1K1C225A026 (J)
C3114	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3114	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	(J)
C3115	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3115	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3116	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3116	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3117	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3117	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3118	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3118	EEVHB1C470	E 47UF, 16V	1	(J)
C3119-21	ECJ1XB1C104K	C 0.1UF, Z, 16V	3	
C3122	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C3123-26	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C3127	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C3128-02	ECJ1XB1C104K	C 0.1UF, Z, 16V	7	
C3134	EEVHB1C471	E 470UF, 16V	1	
C3135	ECJ1VB1C103K	C 0.01UF, K, 16V	1	(HY)
C3135	EEVHB1C471	E 470UF, 16V	1	(J)
C3136	ECJ1XC1H330J	C 33PF, J, 50V	1	(HY)
C3136	EEVHB1C471	E 470UF, 16V	1	(J)
C3137	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3138	ECJ3XB0J106M	C 10UF, M, 6.3V	1	
C3139	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3140	ECJ1XC1H101J	C 100PF, J, 50V	1	
C3141	ECJ1XB0J105K	C 1UF, K, 16V	1	(HY)
C3141	TCUY1C225KBM	C 2.2UF, 16V	1	F1K1C225A026 (J)
C3142	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3142,43	TCUY1C225KBM	C 2.2UF, 16V	2	F1K1C225A026 (J)
C3144	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3144	TCUY1C225KBM	C 2.2UF, 16V	1	F1K1C225A026 (J)
C3146	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3147	ECJ3XB0J106M	C 10UF, M, 6.3V	1	
C3148	ECJ1XB0J105K	C 1UF, K, 16V	1	
C3149	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3150	ECJ1VB1C103K	C 0.01UF, K, 16V	1	
C3151	ECJ1XC1H330J	C 33PF, J, 50V	1	
C3152	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3153	ECJ1XC1H101J	C 100PF, J, 50V	1	
C3154	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3156	ECJ1XB0J105K	C 1UF, K, 16V	1	
C3157	ECJ3XB0J106M	C 10UF, M, 6.3V	1	
C3158	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3159	EEVHB0G221	E 220UF, 4V	1	
C3160,61	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C3162-66	ECJ1VF1A105Z	C 1UF, Z, 10V	5	
C3167-78	ECJ1XB1C104K	C 0.1UF, Z, 16V	12	
C3179	EEVHB0G221	E 220UF, 4V	1	
C3180-83	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C3184	EEVHB0G221	E 220UF, 4V	1	
C3185	ECJ1XC1H060D	C 6PF, D, 50V	1	
C3186	ECJ1XC1H470J	C 47PF, J, 50V	1	
C3187	EEVHB0G221	E 220UF, 4V	1	
C3188	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C3202-06	ECJ1VF1A105Z	C 1UF, Z, 10V	5	
C3207	EEVHB0G221	E 220UF, 4V	1	
C3208-14	ECJ1VF1A105Z	C 1UF, Z, 10V	7	
C3216,17	ECJ1VF1A105Z	C 1UF, Z, 10V	2	
C3218	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3219	EEVHB0J101	E 100UF, 6.3V	1	EEVHB0J101P
C3251,52	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C3253	ECJ1XB1H102K	C 1000UF, Z, 50V	1	(HY)
C3253	TCUY1C225KBM	C 2.2UF, 16V	1	F1K1C225A026 (J)
C3254	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3254	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3255	ECJ1XB1H102K	C 1000UF, Z, 50V	1	(HY)
C3255	TCUY1C225KBM	C 2.2UF, 16V	1	F1K1C225A026 (J)
C3256	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3256	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3257	ECJ1XB1H102K	C 1000UF, Z, 50V	1	(HY)
C3257	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3258	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3258	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3259	ECJ1XB1H102K	C 1000UF, Z, 50V	1	(HY)
C3259	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3260	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3260	TCUY1C225KBM	C 2.2UF, 16V	1	F1K1C225A026 (J)
C3261	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	(J)
C3261	EEVHB0G221	E 220UF, 4V	1	(HY)
C3262	ECJ1XB1H102K	C 1000UF, Z, 50V	1	(HY)
C3262	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3263	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3263	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3264	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3264	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	(J)
C3265	EEVHB0G221	E 220UF, 4V	1	(HY)
C3265	EEVHB1C470	E 47UF, 16V	1	(J)
C3266	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	(HY)
C3266-68	EEVHB1C471	E 470UF, 16V	3	(J)
C3308	EEVHB0G221	E 220UF, 4V	1	
C3309	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C3311,12	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3313	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C3315	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3316	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C3317	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C3318-21	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C3322,23	EEVHB0G221	E 220UF, 4V	2	
C3324	EEVHB0J101	E 100UF, 6.3V	1	EEVHB0J101P
C3325,26	EEVHB1C470	E 47UF, 16V	2	
C3327-30	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C3401	EEVHP1C100R	E 10UF, 16V	1	
C3404	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3405	EEVHB1C470	E 47UF, 16V	1	
C3409	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3507,08	ECJ3XB0J106M	C 10UF, M, 6.3V	2	
C3510,11	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C3520	EEVHB1C470	E 47UF, 16V	1	
C3521	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3523	EEVHB1C470	E 47UF, 16V	1	(HX)
C3523	EEVHB1C470	E 47UF, 16V	1	(HY)
C3524	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	(HY)
C3524	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	(HX)
C3525,26	ECJ2VF1C104Z	C 0.1UF, Z, 16V	2	
C3527	TCUY0J685MBM	C 6.8UF, 6.3V	1	F1K0J685A003
C3542	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C3543	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3544	EEVHB1C470	E 47UF, 16V	1	
C3550	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C3551	EEVHB1C470	E 47UF, 16V	1	
C3561,62	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C3563	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3564	EEVHB1C470	E 47UF, 16V	1	
C3591,92	TCUY1C105ZFN	C 1UF, 16V	2	F1J1C1050006
C3593	ECJ2VF1E104Z	C 0.1UF, Z, 25V	1	
C3594,95	TCUY1C105ZFN	C 1UF, 16V	2	F1J1C1050006
C6401-08	TCUY1C105ZFN	C 1UF, 16V	8	F1J1C1050006
C6411	ECJ2XB1H222K	C 2200PF, K, 50V	1	
C6412	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C6417	ECJ2XB1H221K	C 220PF, K, 50V	1	
C6421	ECJ2XB1H222K	C 2200PF, K, 50V	1	
C6422	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C6427	TACCP2E104MT	C 0.1UF, 250V	1	F1L2E1040002
C6429	TACCP2E104MT	C 0.1UF, 250V	1	F1L2E1040002
C6431	TACCP2E104MT	C 0.1UF, 250V	1	F1L2E1040002
C6433	TACCP2E104MT	C 0.1UF, 250V	1	F1L2E1040002
C6452	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6453	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C6454	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6455	EEUFC1E221	E 220UF, 25V	1	
C6456	ECA2CM101	E 100UF, 160V	1	
C6458	ECJ4XB1E475M	C 4.7UF, M, 25V	1	
C6459	EEUFC1E470	E 47UF, 25V	1	
C6461	ECA1HM101	E 100UF, 50V	1	
C6462-65	ECJ4XB1E475M	C 4.7UF, M, 25V	4	
C6466,67	ECJ2XB1H103K	C 0.01UF, K, 50V	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C6468	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C6469	EEUFC1E221	E 220UF, 25V	1	
C6470	ECA1HM221	E 220UF, 50V	1	
C6471	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C6472	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6473	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C6474	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6475	EEUFC1E221	E 220UF, 25V	1	
C6476	ECA2CM101	E 100UF, 160V	1	
C6478	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6481-88	ECJ3XK2J102K	C 1000PF, K,630V	8	
C6490,91	ECJ3XK2J102K	C 1000PF, K,630V	2	
C6492	ECA2VHG100	E 10UF, 350V	1	
C6493	ECJ3XB2J222K	C 2200PF, K,630V	1	
C6501-08	TCUY1C105ZFN	C 1UF, 16V	8	F1J1C1050006
C6509	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C6511,12	ECJ4XB1E475M	C 4.7UF, M, 25V	2	
C6513	ECA2CM101	E 100UF, 160V	1	
C6521	EEUFC1E470	E 47UF, 25V	1	
C6523	ECA1VM470	E 47UF, 35V	1	
C6524,25	ECJ3FC2D102J	C 1000PF, J,200V	2	
C6526	ECA2EHG220	E 22UF, 250V	1	
C6529	ECJ3XK2J102K	C 1000PF, K,630V	1	
C6531,32	ECJ4XB1E475M	C 4.7UF, M, 25V	2	
C6534	ECJ3XK2J102K	C 1000PF, K,630V	1	
C6541	ECJ4XB1E475M	C 4.7UF, M, 25V	1	
C6543,44	ECJ3FC2D102J	C 1000PF, J,200V	2	
C6546	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C6547	ECJ3FC2D102J	C 1000PF, J,200V	1	
C6550	ECA2CM101	E 100UF, 160V	1	
C6571	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C6575-78	TCUY1C105ZFN	C 1UF, 16V	4	F1J1C1050006
C6580,81	TCUY1C105ZFN	C 1UF, 16V	2	F1J1C1050006
C6584	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6585	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C6588	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C6589	ECJ4XB1E475M	C 4.7UF, M, 25V	1	
C6590	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C6591	ECJ4XB1E475M	C 4.7UF, M, 25V	1	
C6598	ECA2CHG220	E 22UF, 160V	1	
C6601-04	ECA2DHG221	E 220UF, 200V	4	
C6607	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6608	ECA1EM471	E 470UF, 25V	1	
C6611-18	ECJ3XK2J102K	C 1000PF, K,630V	8	
C6620	ECJ2XB1H473K	C 0.047UF, K, 50V	1	
C6621-28	ECQE2105RKB	P 1UF, 250V	8	
C6631,32	ECJ4XB1E475M	C 4.7UF, M, 25V	2	
C6633	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C6634,35	ECJ4XB1E475M	C 4.7UF, M, 25V	2	
C6636	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C6637	EEUFC1E121	E 120UF, 25V	1	
C6639	F2A2D1510004	E 150UF, 200V	1	
C6642	TACCP2E104MT	C 0.1UF, 250V	1	F1L2E1040002
C6644	ECJ4XB1E475M	C 4.7UF, M, 25V	1	




Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C6645	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6646	F2A1V121A085	E 120UF, 35V	1	
C6647	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C6650	ECQE2224KF	P 0.22UF, K,250V	1	
C6651,52	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C6655,56	EEUFC1A101	E 100UF, 10V	2	
C6660-63	ECJ3XK2J102K	C 1000PF, K,630V	4	
C6670-77	ECJ3XK2J102K	C 1000PF, K,630V	8	
C6695,96	ECJ3XK2J102K	C 1000PF, K,630V	2	
C6701-04	F2A2D1510004	E 150UF, 200V	4	
C6707,08	EEUED2C470	E 47UF, 160V	2	
C6709	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6711-18	ECJ3XK2J102K	C 1000PF, K,630V	8	
C6721-28	ECQE2105RKB	P 1UF, 250V	8	
C6731,32	ECJ4XB1E475M	C 4.7UF, M, 25V	2	
C6733	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C6734,35	ECJ4XB1E475M	C 4.7UF, M, 25V	2	
C6736	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C6737	ECQE2224KF	P 0.22UF, K,250V	1	
C6739	TACCP2E104MT	C 0.1UF, 250V	1	F1L2E1040002
C6740	ECJ3XB2J222K	C 2200PF, K,630V	1	
C6741,42	TCUY1C105ZFN	C 1UF, 16V	2	F1J1C1050006
C6744	ECJ4XB1E475M	C 4.7UF, M, 25V	1	
C6746	ECJ4XB1E475M	C 4.7UF, M, 25V	1	
C6747	F2A2D1510004	E 150UF, 200V	1	
C6748	EEUFC1E221	E 220UF, 25V	1	
C6749	ECJ4XB1E475M	C 4.7UF, M, 25V	1	
C6750,51	TCUY1C105ZFN	C 1UF, 16V	2	F1J1C1050006
C6753,54	EEUFC1E221	E 220UF, 25V	2	
C6755	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6756	EEUFC1A101	E 100UF, 10V	1	
C6757	ECJ4XB1E475M	C 4.7UF, M, 25V	1	
C6760,61	ECJ3XK2J102K	C 1000PF, K,630V	2	
C6771-78	ECJ3XK2J102K	C 1000PF, K,630V	8	
C7101	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C7102	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C7103-05	TCUY1C105ZFN	C 1UF, 16V	3	F1J1C1050006
C7107	F1K2A1040004	C 0.1UF, 100V	1	
C7111	F1K2A1040004	C 0.1UF, 100V	1	
C7113	F1K2A1040004	C 0.1UF, 100V	1	
C7115	F1K2A1040004	C 0.1UF, 100V	1	
C7142	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7147	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C7148	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C7149	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C7150	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C7151	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C7152	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C7153-55	ECJ1XC1H101J	C 100PF, J, 50V	3	
C7201	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C7202	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C7203,04	TCUY1C105ZFN	C 1UF, 16V	2	F1J1C1050006
C7206	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C7207	F1K2A1040004	C 0.1UF, 100V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C7210	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C7211	F1K2A1040004	C 0.1UF, 100V	1	
C7213	F1K2A1040004	C 0.1UF, 100V	1	
C7217	F1K2A1040004	C 0.1UF, 100V	1	
C7219	F1K2A1040004	C 0.1UF, 100V	1	
C7235	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C7236	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C7239	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C7242-44	TCUY1C105ZFN	C 1UF, 16V	3	F1J1C1050006
C7246	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C7250	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C7252-56	ECJ1XC1H101J	C 100PF, J, 50V	5	
C7406	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C8001,02	EEVHB1C470	E 47UF, 16V	2	
C8003,04	ECJ1VF1H104Z	C 0.1UF, Z, 50V	2	
C8005,06	ECJ1VF1H103Z	C 0.01UF, Z, 50V	2	
C8007,08	ECJ1VB1H471K	C 470PF, K, 50V	2	
C8009	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C8011	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C8013,14	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C8015	ECJ3YF1A106Z	C 10UF, Z, 10V	1	
C8016	TCUY1C475ZFM	C 4.7UF, 16V	1	F1K1C4750018
C8017	ECJ3YF1A106Z	C 10UF, Z, 10V	1	
C8018	TCUY1C475ZFM	C 4.7UF, 16V	1	F1K1C4750018
C8019,20	ECJ1VB1H103K	C 0.01UF, K, 50V	2	
C8021,22	ECJ3VB1C474K	C 0.47UF, K, 16V	2	
C8023-26	ECJ1VB1H103K	C 0.01UF, K, 50V	4	
C8027	TCUY1C225KBM	C 2.2UF, 16V	1	F1K1C225A026
C8028	ECJ1XC1H330J	C 33PF, J, 50V	1	
C8029	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C8030	EEVHB1C470	E 47UF, 16V	1	
C8031	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C8032	EEVHB1C470	E 47UF, 16V	1	
C8033,34	ECJ1XC1H102J	C 1000PF, J, 50V	2	
C8035	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C8036,37	ECJ1XC1H101J	C 100PF, J, 50V	2	
C8038,39	ECJ2XC1H102J	C 1000PF, J, 50V	2	
C8041	TCUY1C225KBM	C 2.2UF, 16V	1	F1K1C225A026
C8042	ECJ1XC1H330J	C 33PF, J, 50V	1	
C8043	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C8045,46	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C8049,50	ECJ2VF1H103Z	C 0.01UF, Z, 50V	2	
C8051	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9001	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C9002	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9003	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9004	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C9005,06	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9007	EEVHB0G221	E 220UF, 4V	1	
C9011-14	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C9016,17	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C9020	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9022	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9023	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C9027	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9028	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C9029	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9030,31	ECJ3XB0J106M	C 10UF, M,6.3V	2	
C9032,33	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9034,35	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C9036,37	ECJ3XB0J106M	C 10UF, M,6.3V	2	
C9038,39	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9040	ECJ2VB1E473K	C 0.047UF, K, 25V	1	
C9041	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9042,43	ECJ2VB1E473K	C 0.047UF, K, 25V	2	
C9044	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C9045,46	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9048,49	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9050	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C9051	ECJ1XB1C393K	C 0.039UF, K, 16V	1	
C9052	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9053	ECJ1VB1H392K	C 3900PF, K, 50V	1	
C9054-56	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C9057	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C9058	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9059	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9060	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C9061,62	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9063	EEVHB0G221	E 220UF, 4V	1	
C9067-70	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C9072,73	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C9076,77	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9078	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9080	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9084	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9086	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C9087	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9088,89	ECJ3XB0J106M	C 10UF, M,6.3V	2	
C9090,91	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9092,93	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C9094,95	ECJ3XB0J106M	C 10UF, M,6.3V	2	
C9096,97	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9098	ECJ2VB1E473K	C 0.047UF, K, 25V	1	
C9099	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9100,01	ECJ2VB1E473K	C 0.047UF, K, 25V	2	
C9102	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C9103	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9105-07	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C9108	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C9109	ECJ1XB1C393K	C 0.039UF, K, 16V	1	
C9110	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9111	ECJ1VB1H392K	C 3900PF, K, 50V	1	
C9112-14	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C9120-25	ECJ3XB0J106M	C 10UF, M,6.3V	6	
C9150	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9151	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9153	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C9154	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C9156	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C9157-60	ECJ1XF1C104Z	C 0.1UF, Z, 16V	4	
C9161	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9162	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C9163-70	ECJ1XF1C104Z	C 0.1UF, Z, 16V	8	
C9172-74	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C9175	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C9176	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9178-82	ECJ1XF1C104Z	C 0.1UF, Z, 16V	5	
C9183	ECJ1XC1H102J	C 1000PF, J, 50V	1	
C9186	ECJ1XC1H100D	C 10PF, D, 50V	1	
C9187	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9191	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C9192	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C9195	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C9196	ECJ3VB1C104K	C 0.10UF, K, 16V	1	
C9197	ECJ2VB1E563K	C 0.056UF, K, 25V	1	
C9198	ECJ2VB1C104K	C 0.1UF, K, 16V	1	
C9199,00	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9207	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C9301	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C9302	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9303	EEVHB1C470	E 47UF, 16V	1	
C9304	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9305	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C9307	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9308	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9309	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C9310	ECJ1XC1H330J	C 33PF, J, 50V	1	
C9311	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9312,13	ECJ1XC1H330J	C 33PF, J, 50V	2	
C9314,15	ECJ3XF1C475Z	C 4.7UF, Z, 16V	2	
C9316	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9449	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9450	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C9453	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9454,55	ECJ3XF1C475Z	C 4.7UF, Z, 16V	2	
C9465	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9466	EEVHB0G221	E 220UF, 4V	1	
C9467	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9468	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C9470	ECJ1XC1H101J	C 100PF, J, 50V	1	
C9471	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9472	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C9474	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9475-77	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C9478	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C9479-82	ECJ1XF1C104Z	C 0.1UF, Z, 16V	4	
C9485-93	ECJ1XF1C104Z	C 0.1UF, Z, 16V	9	
C9494,95	ECJ3XF1C475Z	C 4.7UF, Z, 16V	2	
C9496	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9598,99	ECJ1VF1H103Z	C 0.01UF, Z, 50V	2	
C9601-09	ECJ1XF1C104Z	C 0.1UF, Z, 16V	9	
C9611	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C9612	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9613	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C9615-25	ECJ1XF1C104Z	C 0.1UF, Z, 16V	11	
C9629-41	ECJ1XF1C104Z	C 0.1UF, Z, 16V	13	
C9700,01	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9702	EEVHB1C470	E 47UF, 16V	1	
C9703	ECJ1XC1H101J	C 100PF, J, 50V	1	
C9705	ECJ1XF1H102Z	C 1000PF, Z, 50V	1	
C9706,07	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9708-10	EEVHB1C470	E 47UF, 16V	3	
C9712-17	ECJ1XC1H101J	C 100PF, J, 50V	6	
C9718	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9719	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9720	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9721	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C9722,23	ECJ1XC1H100D	C 10PF, D, 50V	2	
C9724	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9725	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C9726	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9727,28	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9729	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9730-33	ECJ1XF1C104Z	C 0.1UF, Z, 16V	4	
C9737	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9739-41	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C9742	EEVHB1C470	E 47UF, 16V	1	
C9743	TCUY1C105ZFN	C 1UF, 16V	1	F1J1C1050006
C9748,49	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9750	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9751,52	ECJ1VF1H103Z	C 0.01UF, Z, 50V	2	
C9753,54	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9755,56	ECJ1XF1H102Z	C 1000PF, Z, 50V	2	
C9759	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9760	ECJ1VB1C563K	C 0.056UF, K, 16V	1	
C9761,62	ECJ1XC1H330J	C 33PF, J, 50V	2	
C9763	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C9765	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9766	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C9767,68	TCUY1C105ZFN	C 1UF, 16V	2	F1J1C1050006
C9769	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9774,75	ECJ1XC1H330J	C 33PF, J, 50V	2	
C9951-53	EEVHB1C470	E 47UF, 16V	3	
C9954-56	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C9957	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9958,59	F2H1E221A007	E 2.2UF, 25V	2	
C9960	ECJ3VB1C104K	C 0.10UF, K, 16V	1	
C9961	EEFUD0G121ER	120UF	1	
C9964,65	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9966	EEVHB0G221	E 220UF, 4V	1	
C9967	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C9968	EEVHB1C470	E 47UF, 16V	1	
C9969	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9970	ECJ2XB1E104K	C 0.1UF, K, 25V	1	
C9971	ECJ2XC1H222J	C 2200PF, J, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
CB1-B7	K1MN80B00004	80P CONNECTOR	7	
D3	K1KA40A00140	40P CONNECTOR	1	
D4	K1KA12A00227	12 PIN PH (2.0MM)	1	
D5	K1KA31A00003	31P CONNECTOR	1	
D6	K1KA21A00007	21P CONNECTOR	1	
D10	K1KA12A00254	12P CONNECTOR	1	
D12	K1KA07A00189	7P CONNECTOR	1	
D20	K1KA20A00180	20P CONNECTOR	1	
D25	K1KA08A00293	8P CONNECTOR	1	
D27	K1KA09A00077	9P CONNECTOR	1	
D31,32	K1MN50B00026	50P CONNECTOR	2	
D401-03	MA152K	DIODE	3	MA3X152K
D404	S1WBA80	DIODE	1	B0EBKT000003 
D405	MA3082L	ZENER DIODE	1	MAZ30820L
D406	ERA22-10	DIODE	1	B0EAEV000002
D407	D1FL20UF4063	DIODE	1	B0HCMM000001
D408	PC123FY2	PHOTO COUPLER	1	B3PAA0000012 
D409-11	D1FL20UF4063	DIODE	3	B0HCMM000001
D412	MA3051M	ZENER DIODE	1	MAZ30510M
D413	MA3200M	ZENER DIODE	1	MAZ32000M
D451	B0FBBR000019	DIODE	1	
D452	D1FL20UF4063	DIODE	1	B0HCMM000001
D453	MA3270M	ZENER DIODE	1	MAZ32700M
D454	D1FL20UF4063	DIODE	1	B0HCMM000001
D457	B0HARR000016	DIODE	1	
D458,59	MA3270M	ZENER DIODE	2	MAZ32700M
D460	MA3100M	ZENER DIODE	1	MAZ31000M
D462	TVSRM10B	DIODE	1	B0EAKT000009
D463	M1FS4	DIODE	1	
D551,52	B0BA02700021	DIODE	2	
D553-56	D1FL20UF4063	DIODE	4	B0HCMM000001
D557,58	TMPG10G3	DIODE	2	B0BA01000046
D559	D1FL20UF4063	DIODE	1	B0HCMM000001
D560	RC3B2LFU1	DIODE	1	
D561,62	D1FL20UF4063	DIODE	2	B0HCMM000001
D563	RC3B2LFU1	DIODE	1	
D564	D1FL20UF4063	DIODE	1	B0HCMM000001
D565,66	PC123FY2	PHOTO COUPLER	2	B3PAA0000012 
D567	FMLG16S	DIODE	1	B0HARR000008
D568	B0HFRJ000012	DIODE	1	
D570	FMLG16S	DIODE	1	B0HARR000008
D571	MA3056M	ZENER DIODE	1	MAZ30560M
D572	D1FL20UF4063	DIODE	1	B0HCMM000001
D573,74	B0HFRJ000012	DIODE	2	
D575	M1FS4	DIODE	1	
D576	D1FL20UF4063	DIODE	1	B0HCMM000001
D577-84	MA152K	DIODE	8	MA3X152K
D585	MA3056M	ZENER DIODE	1	MAZ30560M
D586	D1FL20UF4063	DIODE	1	B0HCMM000001
D587	M1FS4	DIODE	1	
D589	D1FL20UF4063	DIODE	1	B0HCMM000001
D590	MA152K	DIODE	1	MA3X152K

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Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D592,93	D1FL20UF4063	DIODE	2	B0HCMM000001
D594	MA3056M	ZENER DIODE	1	MAZ30560M
D595	MA152K	DIODE	1	MA3X152K
D596	MA3051M	ZENER DIODE	1	MAZ30510M
D650	D1FL20UF4063	DIODE	1	B0HCMM000001
D652	D1FL20UF4063	DIODE	1	B0HCMM000001
D654	MA3056M	ZENER DIODE	1	MAZ30560M
D660	B0HFRJ000012	DIODE	1	
D661	MA152K	DIODE	1	MA3X152K
D802,03	M1FS4	DIODE	2	
D804	B0JCPD000010	DIODE	1	
D806,07	B0BC01000028	DIODE	2	
D901	ERZV10V621P2	VARISTOR	1	
D902	D4SB80Z	DIODE	1	B0EBNT000004 
D903	EG01C	DIODE	1	B0HAGV000001
D904	M1FL20UF4063	DIODE	1	B0HCMM000009
D906	TMPG10G3	DIODE	1	B0BA01000046
D907	PC123FY2	PHOTO COUPLER	1	B3PAA0000012 
D920	B0HFRJ000012	DIODE	1	
D921	B0BA02000024	DIODE	1	
D922	MA152K	DIODE	1	MA3X152K
D1001	MA111	DIODE	1	MA2J111
D1550	LNJ107W5PRW	LED	1	
D1551-53	MA8056M	ZENER DIODE	3	MAZ80560M
D2301,02	M1FS4	DIODE	2	
D2308	MA152	DIODE	1	
D2316,17	M1FS4	DIODE	2	
D3001	MA111	DIODE	1	MA2J111 (J)
D3001	MA2J72900L	DIODE	1	(HY)
D3002	MA3100M	ZENER DIODE	1	MAZ31000M
D3003,04	MA111	DIODE	2	MA2J111
D3351,52	MA153	DIODE	2	MA3X153
D3501-04	MA3056M	ZENER DIODE	4	MAZ30560M
D3505	MA153	DIODE	1	MA3X153
D3506	MA153	DIODE	1	MA3X153
D3507-10	MA8160H	ZENER DIODE	4	MAZ81600H
D6401-03	MA8056H	ZENER DIODE	3	MAZ80560H
D6405	D1FL40F4063	DIODE	1	B0ECHP000001
D6406,07	MA8056H	ZENER DIODE	2	MAZ80560H
D6409-12	D1FL40F4063	DIODE	4	B0ECHP000001
D6451	M1FS4	DIODE	1	
D6453	MA111	DIODE	1	MA2J111
D6454	TLP181	PHOTO COUPLER	1	B3PBA0000081
D6455	MA111	DIODE	1	MA2J111
D6456	D1FL40F4063	DIODE	1	B0ECHP000001
D6458	TLP181	PHOTO COUPLER	1	B3PBA0000081
D6459	MA111	DIODE	1	MA2J111
D6460,61	B0HCKS000001	DIODE	2	
D6462	M1FS4	DIODE	1	
D6463	MA8056H	ZENER DIODE	1	MAZ80560H
D6464	M1FS4	DIODE	1	
D6465,66	MA8330M	ZENER DIODE	2	MAZ83300M
D6467	TLP181	PHOTO COUPLER	1	B3PBA0000081

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D6468	MA111	DIODE	1	MA2J111
D6469	TLP181	PHOTO COUPLER	1	B3PBA0000081
D6470	MA111	DIODE	1	MA2J111
D6473	MA111	DIODE	1	MA2J111
D6474	TLP181	PHOTO COUPLER	1	B3PBA0000081
D6475	MA111	DIODE	1	MA2J111
D6476	D1FL40F4063	DIODE	1	B0ECHP000001
D6477	MA111	DIODE	1	MA2J111
D6478	B0HCKS000001	DIODE	1	
D6479	MA111	DIODE	1	MA2J111
D6480	TLP181	PHOTO COUPLER	1	B3PBA0000081
D6481,82	MA8330M	ZENER DIODE	2	MAZ83300M
D6483-90	MA8056H	ZENER DIODE	8	MAZ80560H
D6491-94	D1FL40F4063	DIODE	4	B0ECHP000001
D6495	B0HCKS000001	DIODE	1	
D6496	M1FS4	DIODE	1	
D6501-08	K7GBZEE00002	PHOTO COUPLER	8	
D6509	MA111	DIODE	1	MA2J111
D6511	M1FL20UF4063	DIODE	1	B0HCMM000009
D6512-14	MA111	DIODE	3	MA2J111
D6515	MA8240M	ZENER DIODE	1	MAZ82400M
D6516	MA111	DIODE	1	MA2J111
D6517	TLP181	PHOTO COUPLER	1	B3PBA0000081
D6519	MA111	DIODE	1	MA2J111
D6520	B0JCKG000001	DIODE	1	
D6521	D1FL40F4063	DIODE	1	B0ECHP000001
D6522	MA111	DIODE	1	MA2J111
D6523	D1FL40F4063	DIODE	1	B0ECHP000001
D6524	MA8051L	ZENER DIODE	1	MAZ80510L
D6525	MA111	DIODE	1	MA2J111
D6526	M1FL20UF4063	DIODE	1	B0HCMM000009
D6527	MA111	DIODE	1	MA2J111
D6529	M1FS4	DIODE	1	
D6541	B0HCKS000001	DIODE	1	
D6542	MA111	DIODE	1	MA2J111
D6543	MA8051L	ZENER DIODE	1	MAZ80510L
D6544	MA111	DIODE	1	MA2J111
D6545	MA8051L	ZENER DIODE	1	MAZ80510L
D6546-48	MA8330M	ZENER DIODE	3	MAZ83300M
D6549,50	MA111	DIODE	2	MA2J111
D6551	M1FS4	DIODE	1	
D6552,53	MA111	DIODE	2	MA2J111
D6570	M1FL20UF4063	DIODE	1	B0HCMM000009
D6572	D1FL40F4063	DIODE	1	B0ECHP000001
D6582	MA8051L	ZENER DIODE	1	MAZ80510L
D6583	LNJ201LPQJA	LED	1	
D6584	MA111	DIODE	1	MA2J111
D6585,86	MA8330M	ZENER DIODE	2	MAZ83300M
D6611,12	M1FS4	DIODE	2	
D6615	D1FL40F4063	DIODE	1	B0ECHP000001
D6620-22	SF20LC30F10	DIODE	3	
D6624	SF20LC30F10	DIODE	1	
D6629	B0HBMS000031	DIODE	1	
D6635	MA8051L	ZENER DIODE	1	MAZ80510L

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D6636	MA111	DIODE	1	MA2J111
D6637	D1FL40F4063	DIODE	1	B0ECHP000001
D6640	D1FL40F4063	DIODE	1	B0ECHP000001
D6641,42	M1FS4	DIODE	2	
D6645-47	D1FL40F4063	DIODE	3	B0ECHP000001
D6711,12	M1FS4	DIODE	2	
D6715	D1FL40F4063	DIODE	1	B0ECHP000001
D6720-22	SF20LC30F10	DIODE	3	
D6724	SF20LC30F10	DIODE	1	
D6729	B0HBSM000031	DIODE	1	
D6735	MA8051L	ZENER DIODE	1	MAZ80510L
D6736	MA111	DIODE	1	MA2J111
D6737	D1FL40F4063	DIODE	1	B0ECHP000001
D6740,41	D1FL40F4063	DIODE	2	B0ECHP000001
D6750,51	D1FL40F4063	DIODE	2	B0ECHP000001
D6752,53	M1FS4	DIODE	2	
D6754	D1FL40F4063	DIODE	1	B0ECHP000001
D6755	M1FS4	DIODE	1	
D6757	D1FL40F4063	DIODE	1	B0ECHP000001
D6763	MA8051L	ZENER DIODE	1	MAZ80510L
D6764	MA111	DIODE	1	MA2J111
D6765	LNJ201LPQJA	LED	1	
D6766,67	MA8330M	ZENER DIODE	2	MAZ83300M
D6768	MA111	DIODE	1	MA2J111
D6769	LNJ201LPQJA	LED	1	
D7201-04	MA152K	DIODE	4	MA3X152K
D8001-04	MA111	DIODE	4	MA2J111
D9001	MA3036H	ZENER DIODE	1	MAZ30360H
D9003	MA3036H	ZENER DIODE	1	MAZ30360H
D9705-13	MA3062M	ZENER DIODE	9	MAZ30620M
D9715	MA3062M	ZENER DIODE	1	MAZ30620M
D9716	MA111	DIODE	1	MA2J111
D9719,20	MA3062M	ZENER DIODE	2	MAZ30620M
D9723	MA3062M	ZENER DIODE	1	MAZ30620M
D9724	MA111	DIODE	1	MA2J111
D9727	MA152K	DIODE	1	MA3X152K
D9730	MA152K	DIODE	1	MA3X152K
D9769-71	MA152K	DIODE	3	MA3X152K
D9952	M1FS4	DIODE	1	
D9953	MA152K	DIODE	1	MA3X152K
D9954	M1FS4	DIODE	1	
D9955	B0JCPD000010	DIODE	1	
F900-1,-2	EYF-52BC	FUSE HOLDER	2	
F901-1,-2	EYF-52BC	FUSE HOLDER	2	
F902-1,-2	EYF-52BC	FUSE HOLDER	2	
H0	K1KA08A00293	8P CONNECTOR	1	
H1,H2	K1KA80B00034	80P CONNECTOR	2	
H37	TJS3A9640	3P CONNECTOR	1	K1KA03A00171
HX1	K1KB22A00035	20P CONNECTOR	1	
IC401	MIP2E1DMY1TV	IC	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC402	AN1431T	LINEAR IC	1	
IC403	AN7705F	LINEAR IC	1	
IC451	C0DABZG00001	IC	1	
IC551	C5HABZZ00115	IC	1	
IC552	C5HABZZ00080	IC	1	
IC553,54	AN1431T	LINEAR IC	2	
IC555	C0DAAHG00007	IC	1	
IC557,58	AN1431T	LINEAR IC	2	
IC801	C0DAAHG00008	IC	1	
IC802	C0DAAHG00007	IC	1	
IC803	C0DBALH00002	IC	1	
IC901	MIP2E4DMY1TV	IC	1	
IC902	AN1431T	LINEAR IC	1	
IC951	PQ12SZ1T	IC	1	C0CBAKG00003
IC952	PQ09SZ1T	IC	1	C0CBAHG00005
IC1001	C1DB00000274	IC	1	
IC1550	B3L000000020	IC	1	
IC2301,02	LA4901	IC	2	C1BA00000278
IC2304	PQ09SZ1T	IC	1	C0CBAHG00005
IC2401	BH3865S	LINEAR IC	1	C1BA00000302
IC3001	MC14052BF	MOS IC (CMOS GATE ARRLY)	1	C0JBAR000021
IC3002	C0JBBR000002	IC	1	
IC3003	CXA1315M	LINEAR IC	1	C1AB00000440
IC3004	CXA1875AM	LINEAR IC	1	C0FBBD000017
IC3005	C1AB00001139	IC	1	
IC3006	CXA1315M	LINEAR IC	1	C1AB00000440
IC3101	C0DBEZG00004	IC	1	
IC3102	C0DBZLB00001	IC	1	
IC3103	C1AB00001826	IC	1	
IC3104	C0EBE0000066	IC	1	
IC3105	C0JBAZ001834	IC	1	
IC3108,09	AN78L05M	LINEAR IC	2	
IC3201	C1AB00001720	IC	1	(J)
IC3201	C3HBKZ000001	IC	1	(HY)
IC3251	C0ZBZ0000684	IC	1	(HY)
IC3251	C1AB00001720	IC	1	(J)
IC3301	MM1065ZMR	LINEAR IC	1	C0CBABB00029
IC3302	C0DBEZG00004	IC	1	
IC3303	AN80L25RMS	IC	1	
IC3305	JLC1562BF	MOS IC (MICON LSI)	1	C0JBAZ001265
IC3311	C0JBBZ000285	IC	1	
IC3401	C0ABZA000028	IC	1	
IC3502	24LC21T-I/SN	IC	1	C3EBCC000020 (HX)
IC3502	TC4W53FEL	IC	1	C0JBAR000111 (HY)
IC3515	C0ZBZ0000205	IC	1	
IC3516	TC74HC14AF	IC	1	C0JBAB000155
IC3517	AHC2G66HDCTR	INTEGRATED CIRCUIT	1	C0JBAS000109
IC3699	S-24C16AFJ	INTEGRATED CIRCUIT	1	C3EBGC000018
IC6401-08	C0HBC0000005	IC	8	
IC6451	AN1431M	LINEAR IC	1	
IC6452,53	AN78L15M	LINEAR IC	2	
IC6454,55	AN78L05M	LINEAR IC	2	
IC6456	AN1431M	LINEAR IC	1	
IC6471,72	AN1431M	LINEAR IC	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC6491	AN1431M	LINEAR IC	1	
IC6501,02	TC74HC14AF	IC	2	C0JBAB000155
IC6510	AN78L05M	LINEAR IC	1	
IC6511	C0ZBZ0000736	IC	1	
IC6512	AN78L05M	LINEAR IC	1	
IC6521	C0ZBZ0000736	IC	1	
IC6541,42	C0ZBZ0000736	IC	2	
IC6581	NJM2903M	INTEGRATED CIRCUIT	1	C0BBBA000019
IC6601-03	C0ZBZ0000138	IC	3	
IC6604	AN1431M	LINEAR IC	1	
IC6605,06	C0JBAZ000005	IC	2	
IC6607	TC74HC08AF	IC	1	C0JBAA000084
IC6701-03	C0ZBZ0000138	IC	3	
IC6704	C0ZBZ0000736	IC	1	
IC6705	NJM2903M	INTEGRATED CIRCUIT	1	C0BBBA000019
IC6706	C0JBAZ000005	IC	1	
IC6711	AN1431M	LINEAR IC	1	
IC7101	C0JBAZ001604	IC	1	
IC7104-06	C0JBAZ001604	IC	3	
IC7201-04	C0JBAZ001604	IC	4	
IC8001,02	MC14052BF	MOS IC (CMOS GATE ARRLY)	2	C0JBAR000021
IC8003,04	M52346SP	LINEAR IC	2	C1AA00000395
IC8005,06	TC74HC14AF	IC	2	C0JBAB000155
IC8007,08	TC4W53FEL	IC	2	C0JBAR000111
IC8009	AHC2G66HDCTR	INTEGRATED CIRCUIT	1	C0JBAS000109
IC9001	C0CBCBD00008	IC	1	
IC9002	C0ZBZ0000551	IC	1	
IC9003	C0JBAB000550	IC	1	
IC9004	AHC2G66HDCTR	INTEGRATED CIRCUIT	1	C0JBAS000109
IC9005	C0JBAZ001992	IC	1	
IC9006,07	C0CBCBD00008	IC	2	
IC9008	C0JBAZ001992	IC	1	
IC9009	C0FBAD000069	IC	1	
IC9010	C0CBCBD00008	IC	1	
IC9011	C0ZBZ0000551	IC	1	
IC9012	C0JBAB000550	IC	1	
IC9013	AHC2G66HDCTR	INTEGRATED CIRCUIT	1	C0JBAS000109
IC9015	C0JBAZ001992	IC	1	
IC9016,17	C0CBCBD00008	IC	2	
IC9018	C0JBAZ001992	IC	1	
IC9019	C0FBAD000069	IC	1	
IC9023	C0JBAZ000855	IC	1	
IC9151	MN845041	IC	1	
IC9152,53	C0CBCBD00008	IC	2	
IC9155	C3ABPJ000017	IC	1	
IC9157	TLC2933IPWL	INTEGRATED CIRCUIT	1	C0ABFA000012
IC9301	H4HBDB000005	IC	1	
IC9302	C0CBCBD00008	IC	1	
IC9303	H4HBDB000004	IC	1	
IC9453	C0DBEZG00004	IC	1	
IC9454	C3ABPJ000043	IC	1	
IC9455	MN84510	IC	1	
IC9456	TVRJ952	IC	1	C3FBNG000007
IC9459	C0JBAZ001992	IC	1	


Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC9601	C0JBAZ001604	IC	1	
IC9602	C0JBAZ000855	IC	1	
IC9603,04	C0JBAZ001604	IC	2	
IC9605	C1ZBZ0002329	IC	1	
IC9606	C0EBE0000066	IC	1	
IC9608	C0ZBZ0000764	IC	1	
IC9701	MN102L230	IC	1	
IC9702	C3EBJC000038	IC	1	
IC9703	C0JBAZ001604	IC	1	
IC9704	HM538123BJ8Z	IC	1	C3HAHC000006
IC9705	TVRJ951	IC	1	C3FBLD000026
IC9706	C0JBAZ000855	IC	1	
IC9707	C0JBAE000283	IC	1	
IC9708	S-24C16AFJ	INTEGRATED CIRCUIT	1	C3EBGC000018
IC9709	TVRJ950	IC	1	C2BBGF000297
IC9710	M51957BFP	LINEAR IC	1	C0EBB0000024
IC9711	AHC2G66HDCTR	INTEGRATED CIRCUIT	1	C0JBAS000109
IC9951	C0DBAMH00006	IC	1	
IC9952	C0DBAFH00021	IC	1	
J3	K1KA40A00140	40P CONNECTOR	1	
J5	K1KA31B00004	31P CONNECTOR	1	
J6	K1KA21B00005	21P CONNECTOR	1	
J8	K1KA20A00180	20P CONNECTOR	1	
J10	K1KA06A00183	6P CONNECTOR	1	
J11-13	K1KB80B00023	80P CONNECTOR	3	
J14	K1KA22A00067	22P CONNECTOR	1	
JK3001	K1CB106B0027	CONNECTOR	1	
JK3002	K1QBB2AB0005	CONNECTOR	1	
JK3004	K2HA204B0097	JACK	1	
JK3303	K2HA204B0097	JACK	1	
JK3304	K1QBB5AB0005	CONNECTOR	1	
JK3509	K1FB109B0058	CONNECTOR	1	
JK3511	TJS8A9880	CONNECTOR	1	K1FB115B0034
JK3513	K2HC103B0105	JACK	1	
JK8500	K4BC02B00013	TERMINAL	1	
JS2301	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
JS3301-12	ERJ3GEY0R00	M 0 OHM, 1/16W	12	
JS3313	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
JS3501-03	ERJ6GEY0R00	M 0 OHM, 1/10W	3	
JS3506-08	ERJ6GEY0R00	M 0 OHM, 1/10W	3	
JS8092-97	TSK1032	CHIP INDUCTOR	6	J0JCC0000100
L401	ELEXT100KA	PEAKING COIL	1	
L451	G4D4A0000048	SWITCHING TRANSFORMER	1	
L452	EXCELDR35C	BEAD CHOKE	1	
L551,52	EXCELDR35C	BEAD CHOKE	2	
L554	TALFP15B221K	INDUCTION COIL	1	G0A221GA0001
L801	G1C101ZA0037	INDUCTION COIL	1	
L802	G1C121ZA0037	INDUCTION COIL	1	
L803	G1C680ZA0037	INDUCTION COIL	1	
L901-03	G0B123K00001	CHOKE COIL	3	



Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
L904	G0A100GA0013	CHOKE COIL	1	
L905	ELF17N011A	LINE FILTER	1	
L906	EXCELD35C	BEAD CHOKE	1	
L951-60	ELKE103FA	NOISE FILTER	10	
L1001	ELJPA100KB	CHIP INDUCTOR	1	
L2306	ELJPA100KB	CHIP INDUCTOR	1	
L2330,31	TAL10RP221LB	INDUCTION COIL	2	G0ZZ00001909
L3001	ELJPA100KB	CHIP INDUCTOR	1	(J)
L3001	TLK20LFA223M	EMI FILTER	1	J0HABB000003 (HY)
L3002	ELJPA100KB	CHIP INDUCTOR	1	(J)
L3002	TLK20LFA224M	EMI FILTER	1	J0HABB000004 (HY)
L3003	ELJPA100KB	CHIP INDUCTOR	1	(J)
L3003	TLK20LFA224M	EMI FILTER	1	J0HABB000004 (HY)
L3005	ELJPA100KB	CHIP INDUCTOR	1	(J)
L3005	ERJ3GEY0R00	M 0 OHM, 1/16W	1	(HY)
L3006	ELJPA100KB	CHIP INDUCTOR	1	(J)
L3006	J0E8004B0008	LCR FILTER	1	(HY)
L3007	TALC168T2R2K	CHIP INDUCTOR COIL	1	G1C2R2K00006
L3051,52	ELJNA1R5JF	COIL	2	
L3101-04	ELJPA100KB	CHIP INDUCTOR	4	
L3107	J0JGC0000021	CHIP INDUCTOR COIL	1	
L3108	ELJPA100KB	CHIP INDUCTOR	1	
L3201	ELJPA100KB	CHIP INDUCTOR	1	
L3251,52	ELJPA2R2MF	CHIP INDUCTOR	2	
L3303	ELJPA100KB	CHIP INDUCTOR	1	
L3305-08	ELKE103FA	NOISE FILTER	4	
L3507-09	TLK20LFA224M	EMI FILTER	3	J0HABB000004
L3510-17	TLK212T256AL	EMI FILTER	8	J0HAAB000012
L3525	TLK20LFA223M	EMI FILTER	1	J0HABB000003
L3526	ELJPA100KB	CHIP INDUCTOR	1	(HX)
L3526	TLK20LFA223M	EMI FILTER	1	J0HABB000003 (HY)
L3527-29	TLK20LFA224M	EMI FILTER	3	J0HABB000004
L3530	ELJPA100KB	CHIP INDUCTOR	1	
L3531	TLK20LFA223M	EMI FILTER	1	J0HABB000003
L3532,33	ELJPA100KB	CHIP INDUCTOR	2	
L3555	ELJPA100KB	CHIP INDUCTOR	1	
L6451	J0JJC0000021	CHIP INDUCTOR	1	
L6453	J0JJC0000021	CHIP INDUCTOR	1	
L6471	J0JJC0000021	CHIP INDUCTOR	1	
L6472	TSKA158	BEAD CORE	1	G0ZZ00001935
L6602	TSKA158	BEAD CORE	1	G0ZZ00001935
L6604,05	TSKA158	BEAD CORE	2	G0ZZ00001935
L6611,12	ELC16BR82L	CHOKE COIL	2	
L6615,16	ELC16BR82L	CHOKE COIL	2	
L6618	J0JJC0000021	CHIP INDUCTOR	1	
L6620-28	TSKA158	BEAD CORE	9	G0ZZ00001935
L6634-38	TSKA158	BEAD CORE	5	G0ZZ00001935
L6644,45	TSKA158	BEAD CORE	2	G0ZZ00001935
L6647,48	J0JJC0000021	CHIP INDUCTOR	2	
L6702-04	TSKA158	BEAD CORE	3	G0ZZ00001935
L6705	G0C101K00023	PEAKING COIL	1	
L6711-14	ELC16BR82L	CHOKE COIL	4	
L6717,18	J0JJC0000021	CHIP INDUCTOR	2	
L6719-23	TSKA158	BEAD CORE	5	G0ZZ00001935


Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
L6726,27	TSKA158	BEAD CORE	2	G0ZZ00001935
L6736,37	TSKA158	BEAD CORE	2	G0ZZ00001935
L6744,45	TSKA158	BEAD CORE	2	G0ZZ00001935
L6747	J0JJC0000021	CHIP INDUCTOR	1	
L6750	TSKA158	BEAD CORE	1	G0ZZ00001935
L7106	ELKE103FA	NOISE FILTER	1	
L7207-09	ELKE103FA	NOISE FILTER	3	
L8001-07	ELJPA100KB	CHIP INDUCTOR	7	
L8501,02	TLPD061	LINE FILTER	2	G0A2R5H00003
L9001-03	ELKE103FA	NOISE FILTER	3	
L9008-10	ELKE103FA	NOISE FILTER	3	
L9452	ELJFA1R0KF	CHIP COIL	1	
L9459	ELKE103FA	NOISE FILTER	1	
L9701	ELKE103FA	NOISE FILTER	1	
L9951-54	ELKE103FA	NOISE FILTER	4	
L9955	G1C470M00012	INDUCTOR COIL	1	
L9956	G1C1R5MA0078	INDUCTOR COIL	1	
P2	K1KA06A00180	6P CONNECTOR	1	
P5	TJS1A8870	11P CONNECTOR	1	K1KA11A00073
P7	TJS1A8800	4P CONNECTOR	1	K1KA04A00242
P9	K1KA02A00244	2P CONNECTOR	1	
P10	TJS1A8810	5P CONNECTOR	1	K1KA05A00177
P11	TJS3A9680	7P CONNECTOR	1	K1KA07A00095
P12	K1KA05A00139	5P CONNECTOR	1	
P23	TJS1A8790	3P CONNECTOR	1	K1KA03A00213
P25	TJS1A8840	8P CONNECTOR	1	K1KA08A00221
P27	TJS1A8850	9P CONNECTOR	1	K1KA09A00099
PF1	K1KA03A00181	3P CONNECTOR	1	
PF9	K1KA03A00181	3P CONNECTOR	1	
PF10	K1KA06A00220	6P CONNECTOR	1	
Q401-04	2SC3311A	TRANSISTOR	4	2SC3311AW
Q405	B1CBGD000001	TRANSISTOR	1	
Q406	2SC3311A	TRANSISTOR	1	2SC3311AW
Q451	B1DEGR000021	TRANSISTOR	1	
Q452	2SD2177R	TRANSISTOR	1	
Q453	2SB1434R	TRANSISTOR	1	2SB14340RA
Q454	B1DEGR000021	TRANSISTOR	1	
Q455,56	2SC3311A	TRANSISTOR	2	2SC3311AW
Q457	2SA1309A	TRANSISTOR	1	2SA13090WA
Q552	B1DEGQ000019	FET	1	
Q553	2SB621A	TRANSISTOR	1	2SB0621AW
Q554,55	2SC3311A	TRANSISTOR	2	2SC3311AW
Q557,58	2SC3311A	TRANSISTOR	2	2SC3311AW
Q650,51	2SC3311A	TRANSISTOR	2	2SC3311AW
Q903	2SD1328	TRANSISTOR	1	2SD132806
Q1540	2SD601A	TRANSISTOR	1	2SD0601A
Q2301-03	2SD601A	TRANSISTOR	3	2SD0601A
Q2305,06	2SD601A	TRANSISTOR	2	2SD0601A
Q2330,31	2SD1266A	TRANSISTOR	2	2SD1266AJ
Q2333,34	2SD601A	TRANSISTOR	2	2SD0601A
Q2370	2SB709A	TRANSISTOR	1	2SB0709A

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q2406	2SD601A	TRANSISTOR	1	2SD0601A
Q2408	2SD601A	TRANSISTOR	1	2SD0601A
Q2410	2SD601A	TRANSISTOR	1	2SD0601A
Q3001	2SB709A	TRANSISTOR	1	2SB0709A
Q3002-05	2SD601A	TRANSISTOR	4	2SD0601A
Q3007	2SB709A	TRANSISTOR	1	2SB0709A
Q3023	2SD601A	TRANSISTOR	1	2SD0601A
Q3051,52	2SD601A	TRANSISTOR	2	2SD0601A
Q3101	2SB709A	TRANSISTOR	1	2SB0709A (HY)
Q3101	2SD601A	TRANSISTOR	1	2SD0601A (J)
Q3102	2SD1030	TRANSISTOR	1	(HY)
Q3102	2SD601A	TRANSISTOR	1	2SD0601A (J)
Q3103	2SD1030	TRANSISTOR	1	(HY)
Q3103	2SD601A	TRANSISTOR	1	2SD0601A (J)
Q3104	2SD1030	TRANSISTOR	1	(HY)
Q3104-06	2SD601A	TRANSISTOR	3	2SD0601A (J)
Q3401	2SD601A	TRANSISTOR	1	2SD0601A
Q3403	2SD601A	TRANSISTOR	1	2SD0601A
Q3501	2SD601A	TRANSISTOR	1	2SD0601A
Q3502	2SB709A	TRANSISTOR	1	2SB0709A
Q3503-05	2SD601A	TRANSISTOR	3	2SD0601A
Q3506	2SB709A	TRANSISTOR	1	2SB0709A
Q3513	2SD601A	TRANSISTOR	1	2SD0601A
Q3514	2SB709A	TRANSISTOR	1	2SB0709A
Q3515	2SD601A	TRANSISTOR	1	2SD0601A
Q3516	2SB709A	TRANSISTOR	1	2SB0709A
Q3531,32	2SD601A	TRANSISTOR	2	2SD0601A
Q3533,34	2SB709A	TRANSISTOR	2	2SB0709A
Q3535,36	2SD601A	TRANSISTOR	2	2SD0601A
Q6401	2SK620	FET	1	2SK0620
Q6451	B1BBCJ000003	TRANSISTOR	1	
Q6452	2SB709A	TRANSISTOR	1	2SB0709A
Q6454	2SD814A	TRANSISTOR	1	
Q6455	2SD601A	TRANSISTOR	1	2SD0601A
Q6461	B1BBCJ000003	TRANSISTOR	1	
Q6462	2SB709A	TRANSISTOR	1	2SB0709A
Q6463	2SD601A	TRANSISTOR	1	2SD0601A
Q6471	B1BBCJ000003	TRANSISTOR	1	
Q6472	2SB709A	TRANSISTOR	1	2SB0709A
Q6474	2SD814A	TRANSISTOR	1	
Q6475-77	2SD601A	TRANSISTOR	3	2SD0601A
Q6491,92	2SC1473A	TRANSISTOR	2	2SC1473AE
Q6501-04	2SK620	FET	4	2SK0620
Q6511,12	B1DFGL000005	TRANSISTOR	2	
Q6520	2SD601A	TRANSISTOR	1	2SD0601A
Q6521	B1DFES000001	TRANSISTOR	1	
Q6522-27	2SK2993	FET	6	
Q6530	2SB1073001TV	TRANSISTOR	1	
Q6541	2SB1073001TV	TRANSISTOR	1	
Q6542-47	2SK373100L	TRANSISTOR	6	
Q6550	2SC1473A	TRANSISTOR	1	2SC1473AE
Q6551	2SD601A	TRANSISTOR	1	2SD0601A
Q6552	B1DFES000001	TRANSISTOR	1	
Q6553	2SB1073001TV	TRANSISTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q6554	2SD2185	TRANSISTOR	1	
Q6555	B1DFES000001	TRANSISTOR	1	
Q6581	2SD601A	TRANSISTOR	1	2SD0601A
Q6601,02	2SK3559000SQ	TRANSISTOR	2	
Q6603,04	2SK620	FET	2	2SK0620
Q6605,06	2SK3559000SQ	TRANSISTOR	2	
Q6611	2SD2185	TRANSISTOR	1	
Q6612	2SB1073001TV	TRANSISTOR	1	
Q6613	2SD2185	TRANSISTOR	1	
Q6614	2SB1073001TV	TRANSISTOR	1	
Q6621	2SK3637000VE	TRANSISTOR	1	
Q6624	2SK3637000VE	TRANSISTOR	1	
Q6641,42	B1DFHM000002	TRANSISTOR	2	
Q6671	2SB940A	TRANSISTOR	1	2SB0940AJ
Q6672	2SC1473A	TRANSISTOR	1	2SC1473AE
Q6673	2SD1263A	TRANSISTOR	1	
Q6701,02	2SK3559000SQ	TRANSISTOR	2	
Q6705,06	2SK3559000SQ	TRANSISTOR	2	
Q6711	2SD2185	TRANSISTOR	1	
Q6712	2SB1073001TV	TRANSISTOR	1	
Q6713	2SD2185	TRANSISTOR	1	
Q6714	2SB1073001TV	TRANSISTOR	1	
Q6721	2SK3637000VE	TRANSISTOR	1	
Q6724	2SK3637000VE	TRANSISTOR	1	
Q6725	2SK620	FET	1	2SK0620
Q6741,42	B1DFHM000002	TRANSISTOR	2	
Q6745,46	2SK326800L	FET	2	
Q6751	2SD1263P	TRANSISTOR	1	
Q6752,53	2SC1473	TRANSISTOR	2	2SC14730E
Q6756	2SD601A	TRANSISTOR	1	2SD0601A
Q7201,02	2SB709A	TRANSISTOR	2	2SB0709A
Q8001,02	2SD601A	TRANSISTOR	2	2SD0601A
Q9001,02	2SD601A	TRANSISTOR	2	2SD0601A
Q9301	2SD601A	TRANSISTOR	1	2SD0601A
Q9400	2SD601A	TRANSISTOR	1	2SD0601A
Q9596-99	2SD601A	TRANSISTOR	4	2SD0601A
Q9601,02	2SD601A	TRANSISTOR	2	2SD0601A
Q9701	2SD601A	TRANSISTOR	1	2SD0601A
Q9702	2SB1440	TRANSISTOR	1	2SB14400H
Q9703,04	2SK620	FET	2	2SK0620
Q9706	2SK620	FET	1	2SK0620
Q9707	2SB709A	TRANSISTOR	1	2SB0709A
Q9708,09	2SD601A	TRANSISTOR	2	2SD0601A
Q9710	2SB709A	TRANSISTOR	1	2SB0709A
Q9714-16	2SD601A	TRANSISTOR	3	2SD0601A
Q9719	2SK620	FET	1	2SK0620
R402	ERF10TK3R3	W 3.3 OHM, 10W	1	
R404	ERF10TK3R3	W 3.3 OHM, 10W	1	
R406	ERU5TAJ150	F 15 OHM, 5W	1	
R407	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R408	ERJ6GEYJ6R8	M 6.8 OHM,J,1/10W	1	
R409	ERG1FJS104D	M 100KOHM, J, 1W	1	
R410	ERJ6GEYJ6R8	M 6.8 OHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R411	ERDS1FJ561	C 560 OHM, J,1/2W	1	
R412	ERDS1FJ221	C 220 OHM, J,1/2W	1	
R413	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R414	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R415	ERJ6ENF3901	M 3.9KOHM, 1/10W	1	
R416	ERJ6ENF2551	M2.55KOHM, 1/10W	1	
R417	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R418	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R420-22	ERJ6GEYJ103	M 10KOHM,J,1/10W	3	
R423	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R424,25	ERJ6GEYJ473	M 47KOHM,J,1/10W	2	
R426,27	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	2	
R428	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R429-31	ERJ6ENF3303	M 330KOHM, 1/10W	3	
R432	ERJ6ENF1003	M 100KOHM, 1/10W	1	
R433-35	ERJ6ENF3303	M 330KOHM, 1/10W	3	
R436	ERJ6ENF1202	M 12KOHM, 1/10W	1	
R451	ERDS1FJ274	C 270KOHM, J,1/2W	1	
R452	ERDS1FJ224	C 220KOHM, J,1/2W	1	
R453	ERJ6GEYJ272	M 2.7KOHM,J,1/10W	1	
R454,55	ERG3FJS333D	M 33KOHM, J, 3W	2	
R456	ERDS1FJ2R7	C 2.7 OHM, J,1/2W	1	
R457,58	ERF5EKR15	W0.15 OHM, 5W	2	
R459	ERJ6GEYJ270	M 27 OHM,J,1/10W	1	
R460	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R461	ERJ6GEYF563	M 56KOHM,F,1/10W	1	
R462	ERG1FJS100D	M 10 OHM, J, 1W	1	
R463	ERDS1FJ220	C 22 OHM, J,1/2W	1	
R464	ERDS1FJ103	C 10KOHM, J,1/2W	1	
R465	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R466	ERJ6ENF2703	M 270KOHM, 1/10W	1	
R467	ERDS1FJ220	C 22 OHM, J,1/2W	1	
R468	ERDS1FJ103	C 10KOHM, J,1/2W	1	
R469	ERDS1FJ221	C 220 OHM, J,1/2W	1	
R470	ERJ6ENF5602	M 56KOHM, 1/10W	1	
R471	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R472-74	ERJ6ENF3303	M 330KOHM, 1/10W	3	
R476	ERJ6ENF3601	M 3.6KOHM, 1/10W	1	
R477	ERJ6ENF4020	M 402 OHM, 1/10W	1	
R478-80	ERJ6ENF3303	M 330KOHM, 1/10W	3	
R481	ERJ6ENF3301	M 3.3KOHM, 1/10W	1	
R482	ERJ6ENF4220	M 422 OHM, 1/10W	1	
R483	ERG2FJS104D	M 100KOHM, J, 2W	1	
R484	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	1	
R485	ERG1FJS393D	M 39KOHM, J, 3W	1	
R486	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R487	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R488	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R489	ERJ6GEYJ153	M 15KOHM,J,1/10W	1	
R490	ERJ6GEYJ272	M 2.7KOHM,J,1/10W	1	
R491,92	ERJ6GEYJ223	M 22KOHM,J,1/10W	2	
R493	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R502,03	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	2	
R504	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R550	ERX1FJSR56D	M0.56 OHM, J, 1W	1	
R551	ERG2FJS104D	M 100KOHM, J, 2W	1	
R552	ER0S2CKF1053	M 105KOHM, F, 1/4W	1	EROS2CKF1053
R553	ERG2FJS104D	M 100KOHM, J, 2W	1	
R554	ER0S2CKF1053	M 105KOHM, F, 1/4W	1	EROS2CKF1053
R555	ERJ6ENF2491	M2.49KOHM, 1/10W	1	
R556	ERJ6GEYJ123	M 12KOHM,J,1/10W	1	
R557,58	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	2	
R560	ERX1FJSR56D	M0.56 OHM, J, 1W	1	
R561	ERJ6ENF1212	M12.1KOHM, 1/10W	1	
R563	ERG3FJS683D	M 68KOHM, J, 3W	1	
R564,65	ERJ6GEYJ681	M 680 OHM,J,1/10W	2	
R568	ERX1FJSR56D	M0.56 OHM, J, 1W	1	
R569	ERX2FJSR47D	M 0.47OHM, J, 2W	1	
R571	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R572	ERG3FJS683D	M 68KOHM, J, 3W	1	
R573	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R574	ERX1FJSR56D	M0.56 OHM, J, 1W	1	
R575	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R576	ERX2FJSR47D	M 0.47OHM, J, 2W	1	
R577,78	ERG3FJS683D	M 68KOHM, J, 3W	2	
R579,80	ERDS1FJ220	C 22 OHM, J, 1/2W	2	
R581,82	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R583,84	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	2	
R585,86	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R587	ERDS1FJ220	C 22 OHM, J, 1/2W	1	
R588	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R589	ERJ6ENF4992	M49.9KOHM, 1/10W	1	
R590	EVMEASA00B14	CONTROL 10KOHMB 0.3W	1	
R591	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R592	ERG1FJS222D	M 2.2KOHM, J, 1W	1	
R593	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R594	ERDS1FJ220	C 22 OHM, J, 1/2W	1	
R595	ERDS1FJ471	C 470 OHM, J, 1/2W	1	
R596	ERJ6GEYJ682	M 6.8KOHM,J,1/10W	1	
R597,98	ERDS1FJ224	C 220KOHM, J, 1/2W	2	
R599	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R600	ERDS1FJ224	C 220KOHM, J, 1/2W	1	
R601	ERJ6GEYJ682	M 6.8KOHM,J,1/10W	1	
R602	ERJ6ENF4642	M46.4KOHM, 1/10W	1	
R603,04	ERJ6ENF4992	M49.9KOHM, 1/10W	2	
R605	EVMEASA00B54	CONTROL 50KOHMB 0.3W	1	
R606	ERJ6ENF2551	M2.55KOHM, 1/10W	1	
R607	ERJ6GEYJ151	M 150 OHM,J,1/10W	1	
R608	ERJ6GEYJ682	M 6.8KOHM,J,1/10W	1	
R609	ERJ6ENF1212	M12.1KOHM, 1/10W	1	
R610	ERJ6ENF3301	M 3.3KOHM, 1/10W	1	
R611	ERJ6ENF1501	M 1.5KOHM, 1/10W	1	
R612	ERJ6ENF2551	M2.55KOHM, 1/10W	1	
R613	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R614	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R615,16	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R617	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R618	ERJ6GEYJ680	M 68 OHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R620	ERJ6GEYJ680	M 68 OHM,J,1/10W	1	
R623	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R625,26	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R627	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R628	ERDS1FJ470	C 47 OHM, J,1/2W	1	
R630	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R631	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R635	ERJ6ENF2551	M2.55KOHM, 1/10W	1	
R650	ERG1FJS222D	M 2.2KOHM, J, 1W	1	
R652	ERDS1FJ220	C 22 OHM, J,1/2W	1	
R653	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R654	ERJ6GEYJ560	M 56 OHM,J,1/10W	1	
R655	ERDS1FJ472	C 4.7KOHM, J,1/2W	1	
R656,57	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	2	
R803	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R805	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R806,07	ERJ6ENF15R0	M 15 OHM, 1/10W	2	
R808	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R809	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R810	ERJ6ENF5100	M 510 OHM, 1/10W	1	
R901,02	ERC12ZGK105	S 1MOHM, K,1/2W	2	
R903	ERF7TK3R3	W 3.3 OHM, K, 7W	1	
R904	ERG2FJS683D	M 68KOHM, J, 2W	1	
R905	ERJ6GEYJ330	M 33 OHM,J,1/10W	1	
R906	ERDS1FJ3R3	C 3.3 OHM, J,1/2W	1	
R907	ERJ6GEYJ120	M 12 OHM,J,1/10W	1	
R920	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R921	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R922	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R923	ERJ6ENF2202	M 2.2KOHM, 1/10W	1	
R924	ERJ6ENF2402	M 24KOHM, 1/10W	1	
R925	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R926	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R927	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R951,52	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R1001,02	ERJ6GEYJ560	M 56 OHM,J,1/10W	2	
R1003	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	D0GB101JA002
R1500	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R1510	ERJ3GEYF222	M 2.2KOHM, 1/16W	1	
R1511	ERJ3GEYF332	M 3.3KOHM, 1/16W	1	
R1512,13	ERJ3GEYF472	M 4.7KOHM, 1/16W	2	
R1550	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R1551	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R1552	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R1553	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R1554	ERJ6GEYJ271	M 270 OHM,J,1/10W	1	
R1555,56	TAJAAH0470JV	M 47 OHM,J,1/16W	2	D0GB470JA006
R2301	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R2304	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R2305,06	ERJ6GEYJ223	M 22KOHM,J,1/10W	2	
R2309	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R2310	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	1	
R2319,20	ERJ6GEYJ561	M 560 OHM,J,1/10W	2	
R2321	ERJ6GEY0R00	M 0 OHM, 1/10W	1	

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Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R2324,25	ERJ6GEYJ561	M 560 OHM,J,1/10W	2	
R2331	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R2332	ERJ6GEYJ182	M 1.8KOHM,J,1/10W	1	
R2333	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R2341	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R2343	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R2346	ERJ6GEYJ123	M 12KOHM,J,1/10W	1	
R2347	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R2348	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R2350	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R2351-54	ERJ6GEYJ103	M 10KOHM,J,1/10W	4	
R2355-60	ERDS1FJ2R2	C 2.2 OHM, J,1/2W	6	
R2365,66	ERX1FJSR56D	M0.56 OHM, J, 1W	2	
R2367	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R2368,69	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R2370	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R2371,72	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R2373	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R2408	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R2410	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R2431	ERJ6GEYJ123	M 12KOHM,J,1/10W	1	
R2434	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R2438	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R2439	ERJ6GEYJ563	M 56KOHM,J,1/10W	1	
R2440	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R2441	ERJ6GEYJ123	M 12KOHM,J,1/10W	1	
R2445	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R2448	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R2450	ERJ6GEYJ563	M 56KOHM,J,1/10W	1	
R2452	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R2453	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R2456	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R2457	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R2460	ERJ6ENF1802	M 18KOHM, 1/10W	1	
R2461,62	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R2463	ERJ6ENF1502	M 15KOHM, 1/10W	1	
R2464	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R2466	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R2467	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R2468	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R2469	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R2470	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R2471	ERJ6GEYJ182	M 1.8KOHM,J,1/10W	1	
R2472	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R2473	ERJ6GEYJ182	M 1.8KOHM,J,1/10W	1	
R2476,77	ERJ6GEYJ220	M 22 OHM,J,1/10W	2	
R2480	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R2481,82	ERJ6GEYJ153	M 15KOHM,J,1/10W	2	
R2483	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R2484	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R2485	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R3001	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(J)
R3001	ERJ6ENF75R0	M 75 OHM, 1/10W	1	(HY)
R3002	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(J)

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3002	ERJ6ENF75R0	M 75 OHM, 1/10W	1	(HY)
R3003	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(HY)
R3003	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	(J)
R3004	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	D0GB101JA002
R3005	ERJ6ENF75R0	M 75 OHM, 1/10W	1	(HY)
R3005	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	(J)
R3006	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(HY)
R3006	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	(J)
R3007	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	(HY)
R3007	TSK1032	CHIP INDUCTOR	1	J0JCC0000100 (J)
R3008	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(HY)
R3008	TSK1032	CHIP INDUCTOR	1	J0JCC0000100 (J)
R3009	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	D0GB101JA002 (J)
R3009	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006 (HY)
R3010	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	D0GB101JA002 (J)
R3010	ERJ3GEYJ153	M 15KOHM,J,1/16W	1	(HY)
R3011	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(HY)
R3011	ERJ3GEYJ153	M 15KOHM,J,1/16W	1	(J)
R3012	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	(J)
R3012	ERJ3GEYJ752	M 7.5KOHM,J,1/16W	1	(HY)
R3013	ERJ3GEYJ153	M 15KOHM,J,1/16W	1	(J)
R3013	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	(HY)
R3014	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	(J)
R3014	ERJ3GEYJ752	M 7.5KOHM,J,1/16W	1	(HY)
R3015	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	(J)
R3015-22	TSK1032	CHIP INDUCTOR	8	J0JCC0000100
R3025	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	D0GB101JA002
R3026	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(J)
R3026	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	(HY)
R3027	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(J)
R3027	ERJ3GEYJ153	M 15KOHM,J,1/16W	1	(HY)
R3028,29	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R3030	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R3031	ERJ3EKF1800	M 180 OHM, 1/16W	1	(HY)
R3031	TSK1032	CHIP INDUCTOR	1	J0JCC0000100 (J)
R3032	ERJ3EKF6200	M 620 OHM, 1/16W	1	(HY)
R3032	TSK1032	CHIP INDUCTOR	1	J0JCC0000100 (J)
R3033	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006 (HY)
R3033	TSK1032	CHIP INDUCTOR	1	J0JCC0000100 (J)
R3034	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R3035	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(HY)
R3035,36	ERJ3GEYJ331	M 330 OHM,J,1/16W	2	(J)
R3036	ERJ6ENF1800	M 180 OHM, 1/10W	1	(HY)
R3037	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R3038	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	(HY)
R3038	TSK1032	CHIP INDUCTOR	1	J0JCC0000100 (J)
R3039	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R3040	ERJ3EKF3300	M 330 OHM, 1/16W	1	(HY)
R3040,41	ERJ3GEYJ331	M 330 OHM,J,1/16W	2	(J)
R3042	ERJ3EKF6801	M 6.8KOHM, 1/16W	1	(HY)
R3042,43	TSK1032	CHIP INDUCTOR	2	J0JCC0000100 (J)
R3044	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R3045	ERJ3EKF2200	M 220 OHM, 1/16W	1	(HY)
R3045	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(J)

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3046	ERJ3EKF1000	M 100 OHM, 1/16W	1	(HY)
R3046	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(J)
R3047	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(HY)
R3047	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(J)
R3048	ERJ3GEYJ334	M 330KOHM,J,1/16W	1	D0GB334JA002 (J)
R3048	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006 (HY)
R3049	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(HY)
R3049	ERJ3GEYJ334	M 330KOHM,J,1/16W	1	D0GB334JA002 (J)
R3050	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	(J)
R3050	ERJ6ENF75R0	M 75 OHM, 1/10W	1	(HY)
R3051	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	(HY)
R3051	ERJ3GEYJ334	M 330KOHM,J,1/16W	1	D0GB334JA002 (J)
R3052	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	(HY)
R3052	ERJ3GEYJ334	M 330KOHM,J,1/16W	1	D0GB334JA002 (J)
R3053	ERJ3GEYJ153	M 15KOHM,J,1/16W	1	(HY)
R3053	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	(J)
R3054	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	(HY)
R3054	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	(J)
R3055	ERJ3GEYJ153	M 15KOHM,J,1/16W	1	(HY)
R3055	ERJ3GEYJ334	M 330KOHM,J,1/16W	1	D0GB334JA002 (J)
R3056	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	(HY)
R3056	ERJ3GEYJ334	M 330KOHM,J,1/16W	1	D0GB334JA002 (J)
R3057	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	(J)
R3057	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006 (HY)
R3058	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	(J)
R3058	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006 (HY)
R3059	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	D0GB101JA002 (J)
R3060	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(HY)
R3060	ERJ6GEY0R00	M 0 OHM, 1/10W	1	(J)
R3061	ERJ3GEYJ561	M 560 OHM,J,1/16W	1	(HY)
R3061	ERJ6GEY0R00	M 0 OHM, 1/10W	1	(J)
R3062	ERJ3GEYJ561	M 560 OHM,J,1/16W	1	
R3063	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	D0GB101JA002
R3064	ERJ6GEYJ560	M 56 OHM,J,1/10W	1	
R3065	ERJ6GEY0R00	M 0 OHM, 1/10W	1	(HY)
R3065-69	ERJ6GEYJ560	M 56 OHM,J,1/10W	5	(J)
R3070-75	ERJ6ENF75R0	M 75 OHM, 1/10W	6	
R3076-81	ERJ6GEYJ560	M 56 OHM,J,1/10W	6	
R3082,83	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	D0GB101JA002
R3084,85	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R3086,87	TSK1032	CHIP INDUCTOR	2	J0JCC0000100
R3088-93	ERJ6ENF75R0	M 75 OHM, 1/10W	6	
R3094-96	ERJ3GEYJ331	M 330 OHM,J,1/16W	3	
R3097,98	TSK1032	CHIP INDUCTOR	2	J0JCC0000100
R3099,00	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R3101	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	(HY)
R3101	ERJ6ENF1800	M 180 OHM, 1/10W	1	(J)
R3102	ERJ3GEY0R00	M 0 OHM, 1/16W	1	(HY)
R3102	ERJ6ENF1800	M 180 OHM, 1/10W	1	(J)
R3103	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	(HY)
R3103	ERJ6ENF1800	M 180 OHM, 1/10W	1	(J)
R3104	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	(HY)
R3104	ERJ6ENF1800	M 180 OHM, 1/10W	1	(J)
R3105	ERJ3GEY0R00	M 0 OHM, 1/16W	1	(HY)

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3105	ERJ6ENF1800	M 180 OHM, 1/10W	1	(J)
R3106	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(HY)
R3106	ERJ6ENF1800	M 180 OHM, 1/10W	1	(J)
R3107	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	(HY)
R3107	TSK1032	CHIP INDUCTOR	1	J0JCC0000100 (J)
R3108	ERJ3GEY0R00	M 0 OHM, 1/16W	1	(HY)
R3108	TSK1032	CHIP INDUCTOR	1	J0JCC0000100 (J)
R3112	ERJ3EKF1501	M 1.5KOHM, 1/16W	1	(HY)
R3112	TSK1032	CHIP INDUCTOR	1	J0JCC0000100 (J)
R3113	ERJ3EKF1501	M 1.5KOHM, 1/16W	1	(HY)
R3113	TSK1032	CHIP INDUCTOR	1	J0JCC0000100 (J)
R3114	ERJ3GEY0R00	M 0 OHM, 1/16W	1	(HY)
R3114	ERJ6ENF8200	M 820 OHM, 1/10W	1	(J)
R3115,02	ERJ3GEYJ102	M 1KOHM,J,1/16W	2	
R3116	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R3117	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	(HY)
R3117	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	(J)
R3118	ERJ3GEY0R00	M 0 OHM, 1/16W	1	(HY)
R3118	ERJ6ENF1501	M 1.5KOHM, 1/10W	1	(J)
R3119,02	ERJ3GEYJ121	M 120 OHM,J,1/16W	2	
R3120	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R3121	ERJ3GEYJ121	M 120 OHM,J,1/16W	1	(HY)
R3121	ERJ6GEY0R00	M 0 OHM, 1/10W	1	(J)
R3122	ERJ3EKF8201	M 8.2KOHM, 1/16W	1	(HY)
R3122	ERJ6GEY0R00	M 0 OHM, 1/10W	1	(J)
R3123	ERJ3EKF1502	M 15KOHM, 1/16W	1	(HY)
R3123	ERJ6GEY0R00	M 0 OHM, 1/10W	1	(J)
R3124	ERJ3EKF10R0	M 10 OHM, 1/16W	1	(HY)
R3124	ERJ6GEY0R00	M 0 OHM, 1/10W	1	(J)
R3125	ERJ3GEY0R00	M 0 OHM, 1/16W	1	(HY)
R3125,26	ERJ6GEY0R00	M 0 OHM, 1/10W	2	(J)
R3127	ERJ6ENF12R0	M 12 OHM, 1/10W	1	(HY)
R3127	ERJ6GEY0R00	M 0 OHM, 1/10W	1	(J)
R3128,29	ERJ3GEYJ181	M 180 OHM,J,1/16W	2	(J)
R3129	ERJ6ENF12R0	M 12 OHM, 1/10W	1	(HY)
R3130,31	ERJ3GEYJ181	M 180 OHM,J,1/16W	2	(J)
R3131	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	(HY)
R3132,33	ERJ3GEYJ181	M 180 OHM,J,1/16W	2	
R3135	ERJ6ENF10R0	M 10 OHM, 1/10W	1	
R3136-39	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R3140	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	(HY)
R3140	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	(J)
R3141	ERJ3GEY0R00	M 0 OHM, 1/16W	1	(HY)
R3141	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	(J)
R3142,43	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R3144,45	ERJ3GEYJ102	M 1KOHM,J,1/16W	2	
R3148,49	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R3151	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R3152	ERJ3GEYJ561	M 560 OHM,J,1/16W	1	
R3153	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3154,55	ERJ3GEYJ331	M 330 OHM,J,1/16W	2	
R3156	ERJ3GEYJ561	M 560 OHM,J,1/16W	1	
R3157	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3158	ERJ3GEYJ182	M 1.8KOHM,J,1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3159	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R3160	ERJ3EKF2701	M 2.7KOHM, 1/16W	1	(HY)
R3160	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	(J)
R3161	ERJ3EKF2701	M 2.7KOHM, 1/16W	1	(HY)
R3161	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	(J)
R3162,63	ERJ3EKF2701	M 2.7KOHM, 1/16W	2	
R3164-67	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R3168	ERJ3EKF2000	M 200 OHM, 1/16W	1	
R3169-72	ERJ6ENF75R0	M 75 OHM, 1/10W	4	
R3173	ERJ3EKF2200	M 220 OHM, 1/16W	1	
R3174	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3177	ERJ3EKF1401	M 1.4KOHM, 1/16W	1	
R3178	ERJ3EKF1101	M 1.1KOHM, 1/16W	1	
R3179	ERJ3EKF1401	M 1.4KOHM, 1/16W	1	
R3180	ERJ3EKF1101	M 1.1KOHM, 1/16W	1	
R3181	ERJ3EKF1401	M 1.4KOHM, 1/16W	1	
R3182	ERJ3EKF1101	M 1.1KOHM, 1/16W	1	
R3183	ERJ3EKF1401	M 1.4KOHM, 1/16W	1	
R3184	ERJ3EKF1101	M 1.1KOHM, 1/16W	1	
R3185	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R3188	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R3189	ERJ3GEY0R00	M 0 OHM, 1/16W	1	(HY)
R3189	ERJ6ENF75R0	M 75 OHM, 1/10W	1	(J)
R3190	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(HY)
R3190	ERJ6ENF75R0	M 75 OHM, 1/10W	1	(J)
R3191	ERJ14YJ330	M 33 OHM, J,1/4W	1	(J)
R3191	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	(HY)
R3192-94	ERJ14YJ330	M 33 OHM, J,1/4W	3	
R3195,96	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R3197,98	ERJ3GEYJ123	M 12KOHM,J,1/16W	2	
R3199-01	ERJ6ENF1800	M 180 OHM, 1/10W	3	
R3202	ERJ3GEY0R00	M 0 OHM, 1/16W	1	(HY)
R3202	ERJ6ENF1800	M 180 OHM, 1/10W	1	(J)
R3203	ERJ3GEY0R00	M 0 OHM, 1/16W	1	(HY)
R3203	ERJ6ENF1800	M 180 OHM, 1/10W	1	(J)
R3204	ERJ3GEY0R00	M 0 OHM, 1/16W	1	(HY)
R3204	ERJ6ENF1800	M 180 OHM, 1/10W	1	(J)
R3205-07	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R3251	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R3252	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R3253	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	(HY)
R3253	TSK1032	CHIP INDUCTOR	1	J0JCC0000100 (J)
R3254	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R3255	ERJ6ENF8200	M 820 OHM, 1/10W	1	
R3256	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R3257	ERJ6ENF1501	M 1.5KOHM, 1/10W	1	
R3259	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R3260-62	ERJ6ENF75R0	M 75 OHM, 1/10W	3	
R3297,98	TSK1032	CHIP INDUCTOR	2	J0JCC0000100
R3300,01	ERJ3EKF1501	M 1.5KOHM, 1/16W	2	
R3302	ERJ3GEYJ203	M 20KOHM,J,1/16W	1	
R3303,04	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R3305-09	ERJ3GEYJ103	M 10KOHM,J,1/16W	5	
R3313,14	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3317	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R3334	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3337,38	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R3400	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R3401	ERJ3EKF2701	M 2.7KOHM, 1/16W	1	
R3402	ERJ3EKF1801	M 1.8KOHM, 1/16W	1	
R3403	ERJ3EKF2701	M 2.7KOHM, 1/16W	1	
R3404	ERJ3EKF1801	M 1.8KOHM, 1/16W	1	
R3405	ERJ3EKF2701	M 2.7KOHM, 1/16W	1	
R3406	ERJ3EKF1801	M 1.8KOHM, 1/16W	1	
R3407	ERJ6ENF2201	M 2.2KOHM, 1/10W	1	
R3408	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R3409	ERJ6ENF6800	M 680 OHM, 1/10W	1	
R3410	ERJ6ENF2201	M 2.2KOHM, 1/10W	1	
R3411	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R3412	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R3413	ERJ3EKF1800	M 180 OHM, 1/16W	1	
R3418	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R3501,02	ERJ6GEYJ184	M 180KOHM,J,1/10W	2	
R3506-09	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	4	
R3510,11	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R3514-17	TAJAAH0101JV	M 100 OHM,J,1/16W	4	D0GB101JA006
R3519	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R3521,22	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	
R3525-28	ERJ3GEYJ103	M 10KOHM,J,1/16W	4	
R3529	ERJ6GEYJ184	M 180KOHM,J,1/10W	1	(HX)
R3529	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006 (HY)
R3530	ERJ6GEYJ184	M 180KOHM,J,1/10W	1	(HX)
R3530	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006 (HY)
R3531,32	ERJ3GEYJ3R3	M 3.3 OHM,J,1/16W	2	
R3535,36	ERJ3GEYJ102	M 1KOHM,J,1/16W	2	
R3538,39	TAJAAH0101JV	M 100 OHM,J,1/16W	2	D0GB101JA006
R3544,45	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	
R3546,02	ERJ3GEYJ3R3	M 3.3 OHM,J,1/16W	2	
R3547,48	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R3557	ERJ6ENF56R0	M 56 OHM, 1/10W	1	
R3558	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3585,86	ERJ6GEYJ560	M 56 OHM,J,1/10W	2	
R3589	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R3590	ERJ6GEYJ560	M 56 OHM,J,1/10W	1	
R3591-93	ERJ6GEY0R00	M 0 OHM, 1/10W	3	
R3611,12	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	
R3618	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R3626-29	ERJ6GEYJ3R3	M 3.3KOHM,J,1/10W	4	
R3653	ERJ6GEYJ153	M 15KOHM,J,1/10W	1	
R3654	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R3655	ERJ6GEYJ153	M 15KOHM,J,1/10W	1	
R3656	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R3663,64	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R3668	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R3672	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R3755,56	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R3759,60	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R3776,77	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3778	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R3780	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R3781-84	ERJ6GEYJ3R3	M 3.3KOHM,J,1/10W	4	
R3785	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R3786-89	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	4	
R6401-08	ERJ6GEYJ221	M 220 OHM,J,1/10W	8	
R6409	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R6410,11	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	
R6412	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6413	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R6420-23	ERJ6GEYJ103	M 10KOHM,J,1/10W	4	
R6424	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R6425-28	ERJ6GEYJ103	M 10KOHM,J,1/10W	4	
R6429	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R6431	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R6433	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R6441	ERJ6ENF7502	M 75KOHM, 1/10W	1	
R6442	ERJ6ENF6982	M69.8KOHM, 1/10W	1	
R6443	EVMEASA00B24	CONTROL 20KOHMB 0.3W	1	
R6444	ERJ6GEYJ272	M 2.7KOHM,J,1/10W	1	
R6445	ERJ6ENF2551	M2.55KOHM, 1/10W	1	
R6446	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R6447	ERG2FJS223D	M 22KOHM, J, 2W	1	
R6448	ERG2FJS472D	M 82KOHM, J, 3W	1	
R6449,50	ERJ12YJ1R0	M 1 OHM, J,1/2W	2	
R6452	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R6453	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R6454	ERDS1FJ221	C 220 OHM, J,1/2W	1	
R6455	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R6456	ERJ6ENF4533	M 453KOHM, 1/10W	1	
R6457,58	ERJ6ENF1002	M 10KOHM, 1/10W	2	
R6459	ERJ14YJ104	M 100KOHM, J,1/4W	1	
R6460	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6463	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6464	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6465	ERX2FJS8R2D	M 8.2 OHM, J, 2W	1	
R6466	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6467	ERJ6GEYJ182	M 1.8KOHM,J,1/10W	1	
R6468	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6469	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6470	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R6471	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6472	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6473	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R6474	ERDS1FJ221	C 220 OHM, J,1/2W	1	
R6475	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R6476	ERJ6ENF3243	M 324KOHM, 1/10W	1	
R6477	EVMEASA00B53	CONTROL 5KOHMB 0.3W	1	
R6478	ERJ6ENF6981	M6.98KOHM, 1/10W	1	
R6479	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6480	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6482	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6483	ERJ6GEYJ682	M 6.8KOHM,J,1/10W	1	
R6484	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6485,86	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6487	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6488	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6489	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6491	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6492,93	ERJ6ENF2203	M 220KOHM, 1/10W	2	
R6495,96	ERJ12YJ1R0	M 1 OHM, J, 1/2W	2	
R6497	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6498,99	ERX1FJS8R2D	M 8.2 OHM, J, 1W	2	
R6500	ERJ6GEYJ182	M 1.8KOHM,J,1/10W	1	
R6501-09	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	9	
R6510	ERX3FJS2R2D	M 2.2 OHM, J, 3W	1	
R6511	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6512	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R6513	ERX3FJS2R2D	M 2.2 OHM, J, 3W	1	
R6514	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6515	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6516	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R6517	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6518	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R6519	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6520	ERJ6GEYJ151	M 150 OHM,J,1/10W	1	
R6521	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6522	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R6524	ERJ6ENF2001	M 2KOHM, 1/10W	1	
R6525	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6526	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6527	ERJ14YJ102	M 1KOHM, J, 1/4W	1	
R6528	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6529	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6530-35	ERJ6GEYJ220	M 22 OHM,J,1/10W	6	
R6538	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6539	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R6540	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6541	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6542-47	ERJ6GEYJ5R6	M 5.6 OHM,J,1/10W	6	
R6550	ERG1FJS332D	M 3.3KOHM, J, 1W	1	
R6551-53	ERJ6ENF1003	M 100KOHM, 1/10W	3	
R6554	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R6555	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6556	ERJ6GEYJ392	M 3.9KOHM,J,1/10W	1	
R6557	EVMEASA00B14	CONTROL 10KOHMB 0.3W	1	
R6558	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6559	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6560,61	ERJ6GEYJ470	M 47 OHM,J,1/10W	2	
R6562	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6563	ERJ6GEYJ5R6	M 5.6 OHM,J,1/10W	1	
R6565	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6566	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R6567,68	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	2	
R6571-78	ERJ6GEYJ471	M 470 OHM,J,1/10W	8	
R6580	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6581	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R6582,83	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6584	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R6585	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6586	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6587	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	1	
R6588,89	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6590	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6591	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	1	
R6592,93	ERJ6GEYJ224	M 220KOHM,J,1/10W	2	
R6594	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6595,96	ERJ6ENF5231	M5.23KOHM, 1/10W	2	
R6599,00	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6601	ERD25V0T	M OHM, 1/10W	1	
R6603	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R6604	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6605-07	ERJ6GEYJ224	M 220KOHM,J,1/10W	3	
R6608,09	ERJ12YJ1R0	M 1 OHM, J,1/2W	2	
R6610	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R6611-14	ERJ6GEYJ100	M 10 OHM,J,1/10W	4	
R6615	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R6616	ERDS1FJ221	C 220 OHM, J,1/2W	1	
R6617,18	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	2	
R6619,20	ERJ6GEYJ470	M 47 OHM,J,1/10W	2	
R6621	ERJ6ENF1543	M 154KOHM, 1/10W	1	
R6623	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6624	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6625	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6626	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6627,28	TAJAAH0101JV	M 100 OHM,J,1/16W	2	D0GB101JA006
R6629	ERJ6ENF2202	M 2.2KOHM, 1/10W	1	
R6630-35	ERJ12Y0R00	M 0 OHM,J, 1/2W	6	
R6636-39	ERJ12YJ1R0	M 1 OHM, J,1/2W	4	
R6641,42	ERJ6GEYJ5R6	M 5.6 OHM,J,1/10W	2	
R6643,44	ERJ12YJ220	M 22 OHM,J, 1/2W	2	
R6645,46	ERJ6GEYJ151	M 150 OHM,J,1/10W	2	
R6647,48	ERJ6GEYJ5R6	M 5.6 OHM,J,1/10W	2	
R6649-54	ERJ6GEYJ680	M 68 OHM,J,1/10W	6	
R6655	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6656	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6658	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R6659,60	TAJAAH0101JV	M 100 OHM,J,1/16W	2	D0GB101JA006
R6661,62	ERJ6GEYJ470	M 47 OHM,J,1/10W	2	
R6663	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R6664	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R6665,66	ERJ6GEYJ680	M 68 OHM,J,1/10W	2	
R6667,68	TAJAAH0101JV	M 100 OHM,J,1/16W	2	D0GB101JA006
R6669	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R6670	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R6671	ERG3FJS821D	M 820 OHM, J, 3W	1	
R6672	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6673	ERG1SJ100P	M 10 OHM, J, 1W	1	
R6675	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R6676	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R6678,79	ERJ3GEYJ471	M 470 OHM,J,1/16W	2	
R6680,81	ERJ3GEYJ473	M 47KOHM,J,1/16W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6682-85	ERJ3GEYJ471	M 470 OHM,J,1/16W	4	
R6686-89	ERJ3GEYJ473	M 47KOHM,J,1/16W	4	
R6690,91	ERJ3GEYJ471	M 470 OHM,J,1/16W	2	
R6692,93	ERJ3GEYJ473	M 47KOHM,J,1/16W	2	
R6694,95	ERJ3GEYJ471	M 470 OHM,J,1/16W	2	
R6697,98	ERJ3GEYJ473	M 47KOHM,J,1/16W	2	
R6701	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6702	ERD25V0T	M OHM, 1/10W	1	
R6711-14	ERJ6GEYJ100	M 10 OHM,J,1/10W	4	
R6719,20	ERJ6GEYJ470	M 47 OHM,J,1/10W	2	
R6723	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6724	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6725	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6726	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R6727,28	TAJAAH0101JV	M 100 OHM,J,1/16W	2	D0GB101JA006
R6730-35	ERJ12Y0R00	M 0 OHM,J, 1/2W	6	
R6736-39	ERJ12YJ1R0	M 1 OHM, J,1/2W	4	
R6741,42	ERJ6GEYJ5R6	M 5.6 OHM,J,1/10W	2	
R6743,44	ERJ12YJ220	M 22 OHM,J, 1/2W	2	
R6747,48	ERJ6GEYJ5R6	M 5.6 OHM,J,1/10W	2	
R6755	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6756	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6759,60	TAJAAH0101JV	M 100 OHM,J,1/16W	2	D0GB101JA006
R6761	ERJ12YJ470	M 47 OHM, J,1/2W	1	
R6762-64	ERJ6GEYJ224	M 220KOHM,J,1/10W	3	
R6765	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6766-68	ERJ6GEYJ223	M 22KOHM,J,1/10W	3	
R6769,70	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	
R6771,72	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6773	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	1	
R6774	EVMEASA00B53	CONTROL 5KOHMB 0.3W	1	
R6777,78	ERX3FJSR22D	M 2.2 OHM, J, 3W	2	
R6779,80	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6782,83	TAJAAH0101JV	M 100 OHM,J,1/16W	2	D0GB101JA006
R6784	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R6785,86	ERJ6GEYJ470	M 47 OHM,J,1/10W	2	
R6787	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6788	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6789	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6801-03	ERJ3GEYJ471	M 470 OHM,J,1/16W	3	
R6804-06	ERJ3GEYJ473	M 47KOHM,J,1/16W	3	
R6807-09	ERJ3GEYJ471	M 470 OHM,J,1/16W	3	
R6810-12	ERJ3GEYJ473	M 47KOHM,J,1/16W	3	
R6818,19	ERJ6GEYJ104	M 100KOHM,J,1/10W	2	
R6820	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R6821	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6823	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	1	
R6824	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6825	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6826	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	1	
R6827	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R7105	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R7111-21	ERJ14YJ220	M 22 OHM, J,1/4W	11	
R7126-28	TAJAAH0470JV	M 47 OHM,J,1/16W	3	D0GB470JA006

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R7130	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7132	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7136	ERJ14YJ220	M 22 OHM, J,1/4W	1	
R7142-59	TAJAAH0470JV	M 47 OHM,J,1/16W	18	D0GB470JA006
R7161	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7162-65	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R7166-69	ERJ3GEYJ220	M 22 OHM,J,1/16W	4	
R7170-73	ERJ3GEYJ121	M 120 OHM,J,1/16W	4	
R7175-77	ERJ6GEY0R00	M 0 OHM, 1/10W	3	
R7178	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7187	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R7188	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R7189	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7190	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R7192	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7205	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R7211-18	ERJ14YJ220	M 22 OHM, J,1/4W	8	
R7219	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R7221-24	ERJ6GEYJ103	M 10KOHM,J,1/10W	4	
R7226-30	TAJAAH0470JV	M 47 OHM,J,1/16W	5	D0GB470JA006
R7232	TAJAAH0470JV	M 47 OHM,J,1/16W	1	D0GB470JA006
R7233-40	ERJ14YJ220	M 22 OHM, J,1/4W	8	
R7241-64	TAJAAH0470JV	M 47 OHM,J,1/16W	24	D0GB470JA006
R7268,69	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R7278	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7285-87	ERJ6GEY0R00	M 0 OHM, 1/10W	3	
R7289-92	ERJ3GEYJ181	M 180 OHM,J,1/16W	4	
R7293-96	ERJ3GEYJ121	M 120 OHM,J,1/16W	4	
R7297-00	ERJ3GEYJ220	M 22 OHM,J,1/16W	4	
R7301-04	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R7305	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R7306	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R7309,10	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R8001-16	TSK1032	CHIP INDUCTOR	16	J0JCC0000100
R8017-20	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	4	
R8021-24	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	4	
R8025-28	ERJ3GEYJ331	M 330 OHM,J,1/16W	4	
R8029,30	ERJ6ENF3301	M 3.3KOHM, 1/10W	2	
R8031,32	ERJ6ENF2201	M 2.2KOHM, 1/10W	2	
R8033,34	ERJ3GEYJ104	M 100KOHM,J,1/16W	2	
R8035,36	ERJ3GEYF332	M 3.3KOHM, 1/16W	2	
R8037-40	ERJ6ENF4701	M 4.7KOHM, 1/10W	4	
R8041,42	ERJ3GEYJ183	M 18KOHM,J,1/16W	2	
R8043,44	ERJ3GEYJ102	M 1KOHM,J,1/16W	2	
R8045,46	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	2	
R8047	ERJ3GEYJ271	M 270 OHM,J,1/16W	1	
R8048-51	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	4	
R8054-59	ERJ3GEYJ101	M 100 OHM,J,1/16W	6	D0GB101JA002
R8060,61	ERJ3GEYF332	M 3.3KOHM, 1/16W	2	
R8062	ERJ3GEYJ271	M 270 OHM,J,1/16W	1	
R8065-70	ERJ3GEYJ101	M 100 OHM,J,1/16W	6	D0GB101JA002
R8077-82	ERJ3GEYJ152	M 1.5KOHM,J,1/16W	6	
R8083-85	ERJ3GEYJ102	M 1KOHM,J,1/16W	3	
R8087	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R8089	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R8091	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R8093,94	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R8095,96	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R8097-00	ERJ3GEYJ103	M 10KOHM,J,1/16W	4	
R8101,02	TSK1032	CHIP INDUCTOR	2	J0JCC0000100
R9001	EXB38V470J	RESISTOR ARRAY	1	
R9002,03	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9004	EXB38V470J	RESISTOR ARRAY	1	
R9005	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9006	EXB38V470J	RESISTOR ARRAY	1	
R9007-09	TAJAAH0101JV	M 100 OHM,J,1/16W	3	D0GB101JA006
R9010	EXB38V470J	RESISTOR ARRAY	1	
R9011	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9012	EXB38V470J	RESISTOR ARRAY	1	
R9014	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9015,16	ERJ3GEYJ330	M 33 OHM,J,1/16W	2	
R9017	EXB38V470J	RESISTOR ARRAY	1	
R9018-20	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R9022-24	ERJ3GEYJ750	M 75 OHM,J,1/16W	3	
R9025	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9026	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R9027	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R9028	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9029	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R9030	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9031	EXB38V470J	RESISTOR ARRAY	1	
R9032,33	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9034	EXB38V470J	RESISTOR ARRAY	1	
R9035	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9036	EXB38V470J	RESISTOR ARRAY	1	
R9037-39	TAJAAH0101JV	M 100 OHM,J,1/16W	3	D0GB101JA006
R9040	EXB38V470J	RESISTOR ARRAY	1	
R9042	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9043	EXB38V470J	RESISTOR ARRAY	1	
R9044	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9045	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9046	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9047	EXB38V470J	RESISTOR ARRAY	1	
R9050-53	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9054-56	ERJ3GEYJ750	M 75 OHM,J,1/16W	3	
R9057	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9058	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R9059	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R9060	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9061	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R9062	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9104-07	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9108-10	ERJ6GEY0R00	M 0 OHM, 1/10W	3	
R9111-13	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R9114,15	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R9117-20	ERJ6GEY0R00	M 0 OHM, 1/10W	4	
R9122	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9130-35	TAJAAH0101JV	M 100 OHM,J,1/16W	6	D0GB101JA006

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9151-55	EXB2HVR000	RESISTOR ARRAY	5	
R9157	EXB2HVR000	RESISTOR ARRAY	1	
R9167,68	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9171,72	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9176	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9177	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9178,79	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9180	ERJ3GEYJ100	M 10 OHM,J,1/16W	1	
R9182	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9183	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R9187	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9190	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9199	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9200	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R9202	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9203-05	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R9206-08	ERJ3GEYJ100	M 10 OHM,J,1/16W	3	
R9216	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9218	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9219	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9220,21	ERJ3GEYJ151	M 150 OHM,J,1/16W	2	
R9224	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R9226	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9228	ERJ3GEYJ151	M 150 OHM,J,1/16W	1	
R9229,30	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9231	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R9232	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R9234	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9236	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9240	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9244,45	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9302	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9303	EXB38V103J	RESISTOR ARRAY	1	
R9306	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9308	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9310	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R9311	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9315	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9322	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9330	ERJ3GEYJ100	M 10 OHM,J,1/16W	1	
R9333	TAJAAH0470JV	M 47 OHM,J,1/16W	1	D0GB470JA006
R9335	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9336	ERJ3GEYJ100	M 10 OHM,J,1/16W	1	
R9337	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9339	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9349	EXB38V470J	RESISTOR ARRAY	1	
R9352	ERJ3GEYJ100	M 10 OHM,J,1/16W	1	
R9353	EXB38V470J	RESISTOR ARRAY	1	
R9355,56	ERJ3GEYJ100	M 10 OHM,J,1/16W	2	
R9357	EXB38V470J	RESISTOR ARRAY	1	
R9362	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9365	EXB38V470J	RESISTOR ARRAY	1	
R9367	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9368	EXB38V470J	RESISTOR ARRAY	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9371	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9373	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9376	TAJAAH0470JV	M 47 OHM,J,1/16W	1	D0GB470JA006
R9380	EXB38V151J	RESISTOR ARRAY	1	
R9411	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9413	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R9414,15	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	
R9417	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9420	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R9449	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9455	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9459	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9460-62	ERJ3GEYJ100	M 10 OHM,J,1/16W	3	
R9465,66	EXB2HVR000	RESISTOR ARRAY	2	
R9468	EXB2HVR000	RESISTOR ARRAY	1	
R9469	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9475	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9477,78	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9479	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9480,81	ERJ6ENF1001	M 1KOHM, 1/10W	2	
R9483	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9484,85	ERJ3GEYJ102	M 1KOHM,J,1/16W	2	
R9486,87	ERJ6ENF1001	M 1KOHM, 1/10W	2	
R9488,89	ERJ3GEYJ100	M 10 OHM,J,1/16W	2	
R9490,91	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9501	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9503	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9513-15	ERJ3GEYJ100	M 10 OHM,J,1/16W	3	
R9525,26	EXB38V470J	RESISTOR ARRAY	2	
R9530	EXB38V470J	RESISTOR ARRAY	1	
R9532	TAJAAH0470JV	M 47 OHM,J,1/16W	1	D0GB470JA006
R9535	TAJAAH0470JV	M 47 OHM,J,1/16W	1	D0GB470JA006
R9537	TAJAAH0470JV	M 47 OHM,J,1/16W	1	D0GB470JA006
R9538	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9540	EXB38V470J	RESISTOR ARRAY	1	
R9541	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9547	TAJAAH0470JV	M 47 OHM,J,1/16W	1	D0GB470JA006
R9548	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9551	EXB38V470J	RESISTOR ARRAY	1	
R9553	EXB38V680J	RESISTOR ARRAY	1	
R9558	ERJ3GEYJ151	M 150 OHM,J,1/16W	1	
R9559	EXB38V470J	RESISTOR ARRAY	1	
R9560	ERJ3GEYJ151	M 150 OHM,J,1/16W	1	
R9562	ERJ3GEYJ151	M 150 OHM,J,1/16W	1	
R9577	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9585,86	TAJAAH0101JV	M 100 OHM,J,1/16W	2	D0GB101JA006
R9592	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9593	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9594	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9595	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9596	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9597	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9600-05	ERJ3GEY0R00	M 0 OHM, 1/16W	6	
R9607-17	ERJ3GEY0R00	M 0 OHM, 1/16W	11	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9618	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R9620,21	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9622,23	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9624	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9625	ERJ3GEYJ561	M 560 OHM,J,1/16W	1	
R9627-29	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R9631-35	ERJ3GEY0R00	M 0 OHM, 1/16W	5	
R9638	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9640,41	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9642	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9643	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9645	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9646	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9647	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9648	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9650-53	EXB38V103J	RESISTOR ARRAY	4	
R9654-56	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R9658	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9659-61	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	3	
R9662	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9663-69	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	7	
R9670-77	ERJ3GEY0R00	M 0 OHM, 1/16W	8	
R9679	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9682-90	ERJ3GEY0R00	M 0 OHM, 1/16W	9	
R9692	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9693	EXB38V103J	RESISTOR ARRAY	1	
R9694-99	ERJ3GEY0R00	M 0 OHM, 1/16W	6	
R9701	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9702	TAJAAH0680JV	M 68 OHM,J,1/16W	1	D0GB680JA006
R9703-08	TAJAAH0101JV	M 100 OHM,J,1/16W	6	D0GB101JA006
R9709	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R9710-16	ERJ3GEYJ151	M 150 OHM,J,1/16W	7	
R9717,18	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9719-24	ERJ3GEYJ151	M 150 OHM,J,1/16W	6	
R9725	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R9726	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9727	EXB38VR000	RESISTOR ARRAY	1	
R9728	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9729-32	TAJAAH0101JV	M 100 OHM,J,1/16W	4	D0GB101JA006
R9733	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R9734	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9735	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9736	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R9737	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9738,39	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	2	
R9741	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9743-45	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R9747	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9748	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9749	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9750	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9751	EXB38V103J	RESISTOR ARRAY	1	
R9752,53	TAJAAH0101JV	M 100 OHM,J,1/16W	2	D0GB101JA006
R9754	EXB38V272J	RESISTOR ARRAY	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9755,56	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	2	
R9757	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R9758	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9759	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R9760	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9761	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9762	EXB38V103J	RESISTOR ARRAY	1	
R9763	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9765	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9766	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9767	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9768	EXB38V470J	RESISTOR ARRAY	1	
R9769	EXB38VR000	RESISTOR ARRAY	1	
R9770	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9771	EXB38VR000	RESISTOR ARRAY	1	
R9773	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9774,75	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9776	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9777	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R9779	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9781	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9782	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R9783,84	ERJ3GEYJ560	M 56 OHM,J,1/16W	2	
R9785,86	EXB38VR000	RESISTOR ARRAY	2	
R9787	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9788	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9789	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R9790	ERJ3GEYJ152	M 1.5KOHM,J,1/16W	1	
R9791	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9794	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R9795	ERJ3GEYJ105	M 1MOHM,J,1/16W	1	
R9798,99	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	2	
R9800	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9803,04	TAJAAH0101JV	M 100 OHM,J,1/16W	2	D0GB101JA006
R9805	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9806	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9807,08	EXB38V103J	RESISTOR ARRAY	2	
R9810,11	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9814	ERJ3GEYJ100	M 10 OHM,J,1/16W	1	
R9816	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9817	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9818	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9819	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9820	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9823,24	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9825	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9826	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9827	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R9829	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9831-33	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R9834,35	ERJ3GEYJ560	M 56 OHM,J,1/16W	2	
R9836	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9837	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9838	ERJ3GEY0R00	M 0 OHM, 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9839,40	TAJAAH0101JV	M 100 OHM,J,1/16W	2	D0GB101JA006
R9841,42	ERJ3GEYJ560	M 56 OHM,J,1/16W	2	
R9843,44	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9846,47	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9848	EXB38V103J	RESISTOR ARRAY	1	
R9849,50	TAJAAH0101JV	M 100 OHM,J,1/16W	2	D0GB101JA006
R9851	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R9852,53	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9854	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9855	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9856	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9857	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9858	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9859	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9860	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9861	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9864	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9865	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9867	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9868	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9869	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9871	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9872	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9873	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9874,75	TAJAAH0101JV	M 100 OHM,J,1/16W	2	D0GB101JA006
R9876	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9878-80	TAJAAH0101JV	M 100 OHM,J,1/16W	3	D0GB101JA006
R9882,83	TAJAAH0101JV	M 100 OHM,J,1/16W	2	D0GB101JA006
R9885	EXB38V103J	RESISTOR ARRAY	1	
R9886	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9887	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9889	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9890	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9893-96	TAJAAH0101JV	M 100 OHM,J,1/16W	4	D0GB101JA006
R9897	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9898	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9900	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9901	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9903-05	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R9906	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9907	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9908	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9909	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9910	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9913	ERJ6ENF2202	M 2.2KOHM, 1/10W	1	
R9914	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9916	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9917	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9918	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9919	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R9920	ERJ3GEYJ105	M 1MOHM,J,1/16W	1	
R9921-23	TAJAAH0101JV	M 100 OHM,J,1/16W	3	D0GB101JA006
R9924	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R9925	ERJ3GEY0R00	M 0 OHM, 1/16W	1	



Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9930	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9931	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9932	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9933	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R9934	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9935,36	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	2	
R9937	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R9938	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9939	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R9940	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9941	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R9942	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9943,44	ERJ3GEYJ102	M 1KOHM,J,1/16W	2	
R9945,46	ERJ3GEYJ100	M 10 OHM,J,1/16W	2	
R9947	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9948,49	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9951,52	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9954-57	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9959,60	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	
R9961	ERJ6ENF1621	M1.62KOHM, 1/10W	1	
R9962	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R9964	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9965	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9966	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9969	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9970	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9971	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9972	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9975	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9991	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9993,94	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9996	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9998	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
RL401	K6B2ADA00007	REALY	1	⚠
RL402,03	TSEH0024	RELAY (5V)	2	K6B1ADA00009 ⚠
RL901	K6B2ADA00007	REALY	1	⚠
RM001	PNA4601M05TV	REMOCO RECEIVER	1	
RTL	TNPA3003	CIRCUIT BOARD H3	1	⚠
RTL	TNPA2826	CIRCUIT BOARD J	1	⚠
RTL	TXNHX10QBS	CIRCUIT BOARD HX	1	⚠
RTL	TXNHY10QBS	CIRCUIT BOARD HY	1	⚠
RTL	TNPA2815	CIRCUIT BOARD Z	1	⚠
RTL	TXNPF10QBS	CIRCUIT BOARD PF	1	⚠
RTL	TNPA2872	CIRCUIT BOARD SS2	1	⚠
RTL	TNPA2873	CIRCUIT BOARD SS3	1	⚠
RTL	TNPA2957	CIRCUIT BOARD SU	1	⚠
RTL	TNPA2958	CIRCUIT BOARD SD	1	⚠



Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
RTL	TNPA2869	CIRCUIT BOARD C1	1	⚠
RTL	TNPA2870	CIRCUIT BOARD C2	1	⚠
RTL	TNPA2825	CIRCUIT BOARD D	1	⚠
RTL	TNPA2841	CIRCUIT BOARD P	1	⚠
RTL	TXNSC10QBS	CIRCUIT BOARD SC	1	⚠
RTL	TXNSS10QBS	CIRCUIT BOARD SS	1	⚠
RTL	TNPA2868	CIRCUIT BOARD S1	1	⚠
RTL	TXNV110QBS	CIRCUIT BOARD V1	1	⚠
S061	TSE4GD0001	POWER SWITCH	1	K0F162B00002
S1550-54	EVQPB05R	SWITCH	5	
SC2	K1KA06A00180	6P CONNECTOR	1	
SC20	K1KA20A00180	20P CONNECTOR	1	
SC23	TJS1A8790	3P CONNECTOR	1	K1KA03A00213
SC41-44	K1KB40B00015	40P CONNECTOR	4	
SD1-D3	K1MN80B00004	80P CONNECTOR	3	
SS11	TJS3A9680	7P CONNECTOR	1	K1KA07A00095
SS12	K1KA05A00139	5P CONNECTOR	1	
SS23	TJS1A8870	11P CONNECTOR	1	K1KA11A00073
SS34	TJS1A8790	3P CONNECTOR	1	K1KA03A00213
SS40	K1KB07A00037	7P CONNECTOR	1	
SS41-46	TJSF41013	13P CONNECTOR	6	K1MN13B00020
SS47	K1KB07A00037	7P CONNECTOR	1	
SS48,49	K1KA07A00170	7P CONNECTOR	2	
SU1-U3	K1MN80B00004	80P CONNECTOR	3	
T401	ETS25AD1H6AG	SWITCHING TRANS	1	⚠
T501	ETS49BP116AD	SWITCHING TRANS	1	⚠
T502	ETS42BV116AD	SWITCHING TRANS	1	⚠
T901	ETS28AZ1E6AD	SWITCHING TRANS	1	⚠
T6451	G4D1A0000072	SWITCHING TRANS	1	
T6461	ETS13TB139AP	SWITCHING TRANS	1	
T6471	G4D1A0000072	SWITCHING TRANS	1	
TPP1	ERD25V0R00	C 0 OHM, 1/4W	1	
V34	K1KA08B00005	8P CONNECTOR	1	
X3101	H0J202500002	CRYSTAL	1	
X9302	TSS9038-B	CRYSTAL	1	H0J200500016
X9350	H0J327200038	CRYSTAL	1	
X9701	TSSA081	CRYSTAL	1	H0J245500024
X9702	H0J921400003	CRYSTAL	1	
X9703	TSS9038-B	CRYSTAL	1	H0J200500016
Z5	K1KA11A00048	11P CONNECTOR	1	

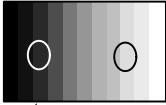
Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Z6	TJS3A9650	4P CONNECTOR	1	K1KA04A00194
Z7	K1KA03A00172	3P CONNECTOR	1	
Z8	K1KA20A00180	20P CONNECTOR	1	
ZA001	K4ZZ01000121	EARTH LUG	1	
ZA002	K4ZZ01000121	EARTH LUG	1	
ZA003	K4ZZ01000121	EARTH LUG	1	
ZA008	K4ZZ01000121	EARTH LUG	1	

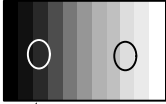
18. Schematic Diagram for printing with A4

19. Cover for printing with A4

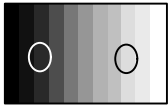
	INPUT	Equipment	Setting	Alignment menu	Procedure
1	RGB(PC) Gray Scale Pattern 		Picture: Normal White balance: Cool Aspect: 16:9 COMPONENT /RGB-IN: RGB	PANEL W/B R cut off G cut off B cut off Chroma Control: Gun off RGB Sub Adjust: G Sub Bright 1 Chroma Control: Gun off RGB Sub Adjust: B Sub Bright 1 Chroma Control: Gun off RGB Sub Adjust: R Sub Bright 1	** Adjust at the dark room. 1) Set R,G and B cut off to " 80 ". 2) Set Gun off to "5". (Only green pixels can emit.) 3) Adjust G Sub bright to start some of green pixels emission at black 2% area and no emission at black 0% area. 4) Set Gun off to "3". (Only blue pixels can emit.) 5) Adjust B Sub bright to start some of blue pixels emission at black 2% area and no emission at black 0% area. 6) Set Gun off to "6". (Only red pixels can emit.) 7) Adjust R Sub bright to start some of red pixels emission at black 2% area and no emission at black 0% area.
2	Component (525i, 525p, 625i, 720i or 1080i) Gray Scale Pattern 		Picture: Normal White balance: Cool Aspect: 16:9	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change input to Component signal. 2) Repeat procedure 1) to 7) of RGB input signal.

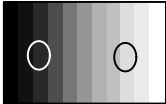
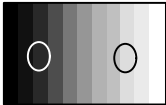
	INPUT	Equipment	Setting	Alignment menu	Procedure
1	RGB(PC) Gray Scale Pattern 		Picture: Normal White balance: Cool Aspect: 16:9 COMPONENT /RGB-IN: RGB	PANEL W/B R cut off G cut off B cut off Chroma Control: Gun off RGB Sub Adjust: G Sub Bright 2 Chroma Control: Gun off RGB Sub Adjust: B Sub Bright 2 Chroma Control: Gun off RGB Sub Adjust: R Sub Bright 2	** Adjust at the dark room. 1) Press the SWAP button, change input to signal path. 2) Set R,G and B cut off to " 3) Set Gun off to "5". (Only green pixels can emit.) 4) Adjust G Sub bright to start some of green pixels emission at black 2% area and no emission at black 0% area. 5) Set Gun off to "3". (Only blue pixels can emit.) 6) Adjust B Sub bright to start some of blue pixels emission at black 2% area and no emission at black 0% area. 7) Set Gun off to "6". (Only red pixels can emit.) 8) Adjust R Sub bright to start some of red pixels emission at black 2% area and no emission at black 0% area.
2	Component (525i, 525p, 625i, 720i or 1080i) Gray Scale Pattern 		Picture: Normal White balance: Cool Aspect: 16:9	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change input to Component signal. 2) Repeat procedure 1) to 7) of RGB input signal.

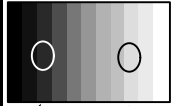
	INPUT	Equipment	Setting	Alignment menu	Procedure												
1	NTSC Gray Scale Pattern  High light 75% Low light 15%	Color Analyzer	Picture: Normal White balance: Cool Aspect: 16:9	Sub Adjust Sub Bright PANEL W/B G cut off PANEL W/B B cut off R cut off Sub Adjust Sub Bright PANEL W/B G Drive PANEL W/B B Drive R Drive PANEL W/B R,G,B Drive R,G,B Drive PANEL W/B R,G,B cut off	1) Find the nearest area to brightness of 10 cd/m ² as Low light by color sensor. 2) Adjust Sub bright to set Low light level to 10 cd/m ² exactly. 3) Set G cut off to " 80 ". 4) Adjust B and R cut off to set color temperature as shown Fig.-01. 5) If Sub Bright is changed re-adjust it to set Low light to 10 cd/m ² . 6)Find 75% of white area by color sensor. 7) Set G Drive to " D8 ". 8) Adjust B and R Drive to set color temperature as shown Fig.-01. 9) Repeat item 4) to 7) to set both Low light and high light. 10) Increase same steps of R, G and B Drive to set largest level of 3 color drive to "FC". 11) Re-adjust Low light level again. <table border="1" data-bbox="782 881 1140 1000"><tr><td>Color Temp.</td><td>x</td><td>y</td></tr><tr><td>Cool(Hi)</td><td>0.276</td><td>0.276</td></tr><tr><td>Normal(Mid)</td><td>0.288</td><td>0.296</td></tr><tr><td>Warm(Low)</td><td>0.313</td><td>0.329</td></tr></table> Fig. -01	Color Temp.	x	y	Cool(Hi)	0.276	0.276	Normal(Mid)	0.288	0.296	Warm(Low)	0.313	0.329
Color Temp.	x	y															
Cool(Hi)	0.276	0.276															
Normal(Mid)	0.288	0.296															
Warm(Low)	0.313	0.329															
2			Picture: Normal White balance: Normal Aspect: 16:9	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change white balance to "Normal". 2) Repeat procedure 3) to 11) of Cool mode.												
3			Picture: Normal White balance: Warm Aspect: 16:9	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change white balance to "Warm". 2) Repeat procedure 3) to 11) of Cool mode.												
4			Picture: Normal White balance: Cool Aspect: 16:9	Picture Menu Sub Adjust Sub Bright	1) Change color templatue to "Cool". 2)Re-set Sub bright to "30"												

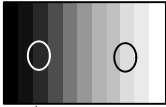
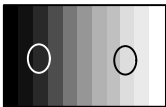
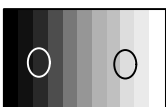
	INPUT	Equipment	Setting	Alignment menu	Procedure												
1	<div>PAL Gray Scale Pattern</div> <div></div>	Color Analyzer	Picture: Normal White balance: Cool Aspect: 16:9	Sub Adjust Sub Bright PANEL W/B G cut off PANEL W/B B cut off R cut off Sub Adjust Sub Bright PANEL W/B G Drive PANEL W/B B Drive R Drive PANEL W/B R,G,B Drive R,G,B Drive PANEL W/B R,G,B cut off	<div>1) Find the nearest area to brightness of 10 cd/m₂ as Low light by color sensor.</div> <div>2) Adjust Sub bright to set Low light level to 10 cd/m₂ exactly.</div> <div>3) Set G cut off to " 80 ".</div> <div>4) Adjust B and R cut off to set color temperature as shown Fig.-02.</div> <div>5) If Sub Bright is changed re-adjust it to set Low light to 10 cd/m₂.</div> <div>6)Find 75% of white area by color sensor.</div> <div>7) Set G Drive to " D8 ".</div> <div>8) Adjust B and R Drive to set color temperature as shown Fig.-02.</div> <div>9) Repeat procedure 4) to 7) to set both Low light and high light.</div> <div>10) Increase same steps of R, G and B Drive to set largest level of 3 color drive to "FC".</div> <div>11) Re-adjust Low light level again.</div> <div><table><tr><td>Color Temp.</td><td>x</td><td>y</td></tr><tr><td>Cool(Hi)</td><td>0.276</td><td>0.276</td></tr><tr><td>Normal(Mid)</td><td>0.288</td><td>0.296</td></tr><tr><td>Warm(Low)</td><td>0.313</td><td>0.329</td></tr></table><div>Fig. -02</div></div>	Color Temp.	x	y	Cool(Hi)	0.276	0.276	Normal(Mid)	0.288	0.296	Warm(Low)	0.313	0.329
Color Temp.	x	y															
Cool(Hi)	0.276	0.276															
Normal(Mid)	0.288	0.296															
Warm(Low)	0.313	0.329															
2			Picture: Normal White balance: Normal Aspect: 16:9	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	<div>1) Change white balance to "Normal".</div> <div>2) Repeat procedure 3) to 11) of Cool mode.</div>												
3			Picture: Normal White balance: Warm Aspect: 16:9	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	<div>1) Change white balance to "Warm".</div> <div>2) Repeat procedure 3) to 11) of Cool mode.</div>												
4			Picture: Normal White balance: Cool Aspect: 16:9	Picture Menu Sub Adjust Sub Bright	<div>1) Change color templature to "Cool".</div> <div>2)Re-set Sub bright to "30"</div>												

		Equipment	Setting	Alignment menu	Procedure																												
5			Picture: Normal Aspect: 16:9 White balance: Cool Normal Warm		1) Write down each color temaparature of R,G,B drive and Cut off data as follows. <table border="1"><tr><td>White Balance</td><td>Cool</td><td>Normal</td><td>Warm</td></tr><tr><td>R Drive</td><td></td><td></td><td></td></tr><tr><td>G Drive</td><td></td><td></td><td></td></tr><tr><td>B Drive</td><td></td><td></td><td></td></tr><tr><td>R Cut off</td><td></td><td></td><td></td></tr><tr><td>G Cut off</td><td></td><td></td><td></td></tr><tr><td>B Cut off</td><td></td><td></td><td></td></tr></table>	White Balance	Cool	Normal	Warm	R Drive				G Drive				B Drive				R Cut off				G Cut off				B Cut off			
White Balance	Cool	Normal	Warm																														
R Drive																																	
G Drive																																	
B Drive																																	
R Cut off																																	
G Cut off																																	
B Cut off																																	
	SECAM signal				2) Input SECAM signal. 3) Copy PAL R,G,B drive and cut off data of each white balance mode to SECAM position.																												

	INPUT	Equipment	Setting	Alignment menu	Procedure												
1	PC Gray Scale Pattern  High light 75% Low light 15%	Color Analyzer	Picture: Normal White balance: Cool Aspect: 16:9	Sub Adjust Sub Bright PANEL W/B G cut off PANEL W/B B cut off R cut off Sub Adjust Sub Bright PANEL W/B G Drive PANEL W/B B Drive R Drive PANEL W/B R,G,B Drive R,G,B Drive PANEL W/B R,G,B cut off	1) Find the nearest area to brightness of 10 cd/m ² as Low light by color sensor. 2) Adjust Sub bright to set Low light level to 10 cd/m ² exactly. 3) Set G cut off to " 80 ". 4) Adjust B and R cut off to set color temperature as shown Fig.-03. 5) If Sub Bright is changed re-adjust it to set Low light to 10 cd/m ² . 6)Find 75% of white area by color sensor. 7) Set G Drive to " D8 ". 8) Adjust B and R Drive to set color temperature as shown Fig.-03. 9) Repeat item 4) to 7) to set both Low light and high light. 10) Increase same steps of R, G and B Drive to set largest level of 3 color drive to "FC". 11) Re-adjust Low light level again. <table border="1" data-bbox="780 881 1140 1000"><tr><td>Color Temp.</td><td>x</td><td>y</td></tr><tr><td>Cool(Hi)</td><td>0.276</td><td>0.276</td></tr><tr><td>Normal(Mid)</td><td>0.288</td><td>0.296</td></tr><tr><td>Warm(Low)</td><td>0.313</td><td>0.329</td></tr></table> Fig. -03	Color Temp.	x	y	Cool(Hi)	0.276	0.276	Normal(Mid)	0.288	0.296	Warm(Low)	0.313	0.329
Color Temp.	x	y															
Cool(Hi)	0.276	0.276															
Normal(Mid)	0.288	0.296															
Warm(Low)	0.313	0.329															
2			Picture: Normal White balance: Normal Aspect: 16:9	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change white balance to "Normal". 2) Repeat procedure 3) to 11) of Cool mode.												
3			Picture: Normal White balance: Warm Aspect: 16:9	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change white balance to "Warm". 2) Repeat procedure 3) to 11) of Cool mode.												
4			Picture: Normal White balance: Cool Aspect: 16:9	Picture Menu Sub Adjust Sub Bright	1) Change color templatue to "Cool". 2)Re-set Sub bright to "30"												

	INPUT	Equipment	Setting	Alignment menu	Procedure																												
5	<div>RGB Gray Scale Pattern</div> 		Picture: Normal Aspect: 16:9 White balance: Cool Normal Warm		<div>1) Write down each color temaparature of R,G,B drive and Cut off data as follows.</div> <table border="1"><tr><td>White Balance</td><td>Cool</td><td>Normal</td><td>Warm</td></tr><tr><td>R Drive</td><td></td><td></td><td></td></tr><tr><td>G Drive</td><td></td><td></td><td></td></tr><tr><td>B Drive</td><td></td><td></td><td></td></tr><tr><td>R Cut off</td><td></td><td></td><td></td></tr><tr><td>G Cut off</td><td></td><td></td><td></td></tr><tr><td>B Cut off</td><td></td><td></td><td></td></tr></table> <div>2) Input RGB signal.</div> <div>3) Copy PC R,G,B drive and cut off data of each white balance mode to RGB position.</div>	White Balance	Cool	Normal	Warm	R Drive				G Drive				B Drive				R Cut off				G Cut off				B Cut off			
White Balance	Cool	Normal	Warm																														
R Drive																																	
G Drive																																	
B Drive																																	
R Cut off																																	
G Cut off																																	
B Cut off																																	
6	<div>DVI Gray Scale Pattern</div> 		Picture: Normal Aspect: 16:9 White balance: Cool Normal Warm		<div>1) Write down each color temaparature of R,G,B drive and Cut off data as follows.</div> <table border="1"><tr><td>White Balance</td><td>Cool</td><td>Normal</td><td>Warm</td></tr><tr><td>R Drive</td><td></td><td></td><td></td></tr><tr><td>G Drive</td><td></td><td></td><td></td></tr><tr><td>B Drive</td><td></td><td></td><td></td></tr><tr><td>R Cut off</td><td></td><td></td><td></td></tr><tr><td>G Cut off</td><td></td><td></td><td></td></tr><tr><td>B Cut off</td><td></td><td></td><td></td></tr></table> <div>2) Input DVI signal.</div> <div>3) Copy PC R,G,B drive and cut off data of each white balance mode to DVI position.</div>	White Balance	Cool	Normal	Warm	R Drive				G Drive				B Drive				R Cut off				G Cut off				B Cut off			
White Balance	Cool	Normal	Warm																														
R Drive																																	
G Drive																																	
B Drive																																	
R Cut off																																	
G Cut off																																	
B Cut off																																	

	INPUT	Equipment	Setting	Alignment menu	Procedure												
1	HD (720i or 1080i) Gray Scale Pattern 	Color Analyzer	Picture: Normal White balance: Cool Aspect: 16:9	Sub Adjust Sub Bright PANEL W/B G cut off PANEL W/B B cut off R cut off Sub Adjust Sub Bright PANEL W/B G Drive PANEL W/B B Drive R Drive PANEL W/B R,G,B Drive R,G,B Drive PANEL W/B R,G,B cut off	1) Find the nearest area to brightness of 10 cd/m2 as Low light by color sensor. 2) Adjust Sub bright to set Low light level to 10 cd/m2 exactly. 3) Set G cut off to " 80 ". 4) Adjust B and R cut off to set color temperature as shown Fig.-04. 5) If Sub Bright is changed re-adjust it to set Low light to 10 cd/m2. 6)Find 75% of white area by color sensor. 7) Set G Drive to " D8 ". 8) Adjust B and R Drive to set color temperature as shown Fig.-04. 9) Repeat item 4) to 7) to set both Low light and high light. 10) Increase same steps of R, G and B Drive to set largest level of 3 color drive to "FC". 11) Re-adjust Low light level again. <table border="1" data-bbox="782 911 1138 1027"><tr><td>Color Temp.</td><td>x</td><td>y</td></tr><tr><td>Cool(Hi)</td><td>0.276</td><td>0.276</td></tr><tr><td>Normal(Mid)</td><td>0.288</td><td>0.296</td></tr><tr><td>Warm(Low)</td><td>0.313</td><td>0.329</td></tr></table> Fig. -04	Color Temp.	x	y	Cool(Hi)	0.276	0.276	Normal(Mid)	0.288	0.296	Warm(Low)	0.313	0.329
Color Temp.	x	y															
Cool(Hi)	0.276	0.276															
Normal(Mid)	0.288	0.296															
Warm(Low)	0.313	0.329															
2			Picture: Normal White balance: Normal Aspect: 16:9	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change white balance to "Normal". 2) Repeat procedure 3) to 11) of Cool mode.												
3			Picture: Normal White balance: Warm Aspect: 16:9	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change white balance to "Warm". 2) Repeat procedure 3) to 11) of Cool mode.												
4			Picture: Normal White balance: Cool Aspect: 16:9	Picture Menu Sub Adjust Sub Bright	1) Change color templature to "Cool". 2)Re-set Sub bright to "30"												

	INPUT	Equipment	Setting	Alignment menu	Procedure																												
5	<div>RGB Gray Scale Pattern</div> 		Picture: Normal Aspect: 16:9 White balance: Cool Normal Warm		<div>1) Write down each color temaparature of R,G,B drive and Cut off data as follows.</div> <table border="1"><tr><td>White Balance</td><td>Cool</td><td>Normal</td><td>Warm</td></tr><tr><td>R Drive</td><td></td><td></td><td></td></tr><tr><td>G Drive</td><td></td><td></td><td></td></tr><tr><td>B Drive</td><td></td><td></td><td></td></tr><tr><td>R Cut off</td><td></td><td></td><td></td></tr><tr><td>G Cut off</td><td></td><td></td><td></td></tr><tr><td>B Cut off</td><td></td><td></td><td></td></tr></table> <div>2)Change input signal to 525i and 525p.</div> <div>3) Copy HD drive and cut off data of each white balance mode to each signals position.</div>	White Balance	Cool	Normal	Warm	R Drive				G Drive				B Drive				R Cut off				G Cut off				B Cut off			
White Balance	Cool	Normal	Warm																														
R Drive																																	
G Drive																																	
B Drive																																	
R Cut off																																	
G Cut off																																	
B Cut off																																	
6	<div>RGB Gray Scale Pattern</div> 		Picture: Normal Aspect: 16:9 White balance: Cool Normal Warm		<div>1) Write down each color temaparature of R,G,B drive and Cut off data as follows.</div> <table border="1"><tr><td>White Balance</td><td>Cool</td><td>Normal</td><td>Warm</td></tr><tr><td>R Drive</td><td></td><td></td><td></td></tr><tr><td>G Drive</td><td></td><td></td><td></td></tr><tr><td>B Drive</td><td></td><td></td><td></td></tr><tr><td>R Cut off</td><td></td><td></td><td></td></tr><tr><td>G Cut off</td><td></td><td></td><td></td></tr><tr><td>B Cut off</td><td></td><td></td><td></td></tr></table> <div>2)Change input signal to 525p and 625i.</div> <div>3) Copy HD drive and cut off data of each white balance mode to each signals position.</div>	White Balance	Cool	Normal	Warm	R Drive				G Drive				B Drive				R Cut off				G Cut off				B Cut off			
White Balance	Cool	Normal	Warm																														
R Drive																																	
G Drive																																	
B Drive																																	
R Cut off																																	
G Cut off																																	
B Cut off																																	
7	<div>RGB Gray Scale Pattern</div> 		Picture: Normal Aspect: 16:9 White balance: Cool Normal Warm		<div>1) Write down each color temaparature of R,G,B drive and Cut off data as follows.</div> <table border="1"><tr><td>White Balance</td><td>Cool</td><td>Normal</td><td>Warm</td></tr><tr><td>R Drive</td><td></td><td></td><td></td></tr><tr><td>G Drive</td><td></td><td></td><td></td></tr><tr><td>B Drive</td><td></td><td></td><td></td></tr><tr><td>R Cut off</td><td></td><td></td><td></td></tr><tr><td>G Cut off</td><td></td><td></td><td></td></tr><tr><td>B Cut off</td><td></td><td></td><td></td></tr></table> <div>2)Change input signal to 625i and 625p.</div> <div>3) Copy HD drive and cut off data of each white balance mode to each signals position.</div>	White Balance	Cool	Normal	Warm	R Drive				G Drive				B Drive				R Cut off				G Cut off				B Cut off			
White Balance	Cool	Normal	Warm																														
R Drive																																	
G Drive																																	
B Drive																																	
R Cut off																																	
G Cut off																																	
B Cut off																																	

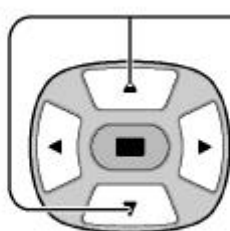
How to access the Option menu

1



Press to display the Setup menu.

2



Press to select
OSD Language.



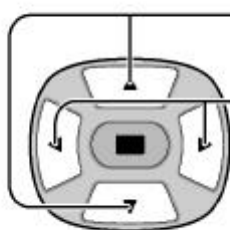
3



Press down for more than
3 seconds to display the
Option menu.

Setting the Option menus

1



Press to select the desired item.

Press to select the desired function.

The option menu will disappear 60 seconds after
operation.

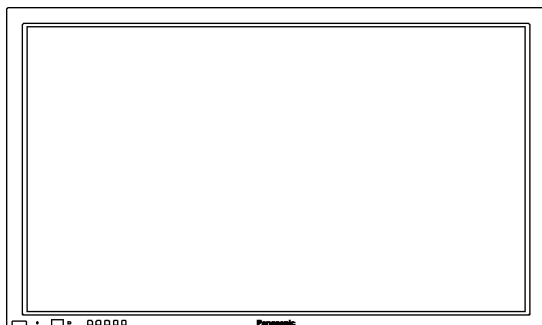
2



Press to exit Option menu.

Service Manual

Wide Plasma Display



TH-42PW6EX
TH-42PW6BX
TH-42PWD6EX
TH-42PWD6BX
TH-42PWD6UY

GP6D Chassis

Specifications

Power Source: AC120V 50/60Hz (UY version)
 AC220-240V 50/60Hz
 (Except UY version model)

Horizontal scanning frequency 15.6 - 110kHz

Vertical scanning frequency 48 - 120Hz

Power Consumption: 265 W
 Save off 1.5 W, Save on 0.6 W (stand-by condition)
 (UY version)
 Save off 1.8 W, Save on 0.8 W (stand-by condition)
 (Except UY version model)
 0.4 W (Power off condition)
 (UY version model)
 0.6 W (Power off condition)
 (Except UY version model)

Plasma Display panel: Drive method AC type

16:9 aspect ratio

Contrast Ratio 4000:1

Screen size: 818 mm (W) × 461 mm (H)
 939 mm (diagonal) (37 inch)
 920 mm (W) × 518 mm (H)
 1,056 mm (diagonal) (42 inch)
 No. of pixels
 408,960 (852 (W) × 480 (H))
 [2,556 × 480 dots]

Operating condition:

Temperature 34 °F - 104 °F (0 °C - 40 °C)

Humidity 20 % - 80 %

Connection terminals:

AV

Video in	1.0 Vp-p (75-ohm)
S-VIDEO IN (MINI DIN 4PIN)	Y: 1 Vp-p (75-ohm), C: 0.286 Vp-p (75-ohm)
AUDIO IN (RCA PIN JACK × 2)	0.5 Vrms (high impedance)

COMPONENT/RGB

Y/G	1.0 Vp-p/composite (75-ohm)
	0.7 Vp-p/non-composite (75-ohm)
P _B /B	0.7 Vp-p (75-ohm)
P _R /R	0.7 Vp-p (75-ohm)
HD	1.0 - 5.0 Vp-p (high impedance)
VD	1.0 - 5.0 Vp-p (high impedance)
AUDIO IN (RCA PIN JACK×2)	0.5 Vrms (high impedance)

PC

(HIGH-DENSITY D-SUB15PIN)	R,G,B/0.7 Vp-p (75-ohm)
	HD, VD/1.0 - 5.0 Vp-p (high impedance)
AUDIO IN (M3 JACK)	0.5Vrms (high impedance)

SERIAL

EXTERNAL CONTROL TERMINAL (D-SUB9PIN)	RS-232C COMPATIBLE
--	--------------------

Panasonic®

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SPEAKERS (External speakers) (6Ω)

16W [8W+8W] (10% THD)

Weight (Mass)

approx. 28.9 kg net (main unit only)

approx. 33.1 kg net (with speakers)

Dimensions (W×H×D): 1,020 mm × 610 mm 89 mm

WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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1 Applicable signals

VIDEO input

	signal name	horizontal frequency(kHz)	vertical frequency(Hz)
1	NTSC	15.734	59.95
2	PAL	15.625	50
3	PAL60	15.734	59.95
4	SECAM	15.625	50
5	Modified NTSC	15.734	59.95

*** Mark:**
By installing the optional
Terminal Board.

Applicable input signals for PC Input (D-sub 15P) (* Mark)

	signal name	horizontal frequency(kHz)	vertical frequency(Hz)	RGB	PC	when Multi Screen and Digital Zoom
1	525(480)/60i	15.73	59.94	*	*	*
2	525(480)/60p	31.47	59.94	*	*	*
3	625(575)/50i	15.63	50.00	*	*	*
4	625(575)/50p	31.25	50.00	*	*	*
5	750(720)/60p	45.00	60.00	*	*	*
6	750(720)/50p	37.50	50.00	*	*	*
7	1,125(1,080)/60i	33.75	59.94	*	*	*
8	1,125(1,080)/50i	28.13	50.00	*	*	*
9	1,125(1,080)/24p	27.00	24.00	*	*	
10	1,125(1,080)/24sF	27.00	48.00	*	*	*
11	1,250(1,080)/50i	31.25	50.00	*	*	*
12	640 × 400@70 Hz	31.47	70.00		*	*
13	640 × 480@60 Hz	31.47	59.94		*	*
14	Macintosh13"(640 × 480)	35.00	66.67		*	*
15	640 × 480@75 Hz	37.50	75.00		*	*
16	852 × 480@60 Hz	31.50	60.00		*	*
17	800 × 600@60 Hz	37.88	60.32		*	*
18	800 × 600@75 Hz	46.88	75.00		*	*
19	800 × 600@85 Hz	53.67	85.06		*	*
20	Macintosh16"(832 × 624)	49.73	74.55		*	*
21	1,024 × 768@60 Hz	48.36	60.00		*	*
22	1,024 × 768@70 Hz	56.48	70.07		*	*
23	1,024 × 768@75 Hz	60.02	75.03		*	*
24	1,024 × 768@85 Hz	68.68	85.00		*	*
25	Macintosh21"(1,152 × 870)	68.68	75.06		*	
26	1,280 × 1,024@60 Hz	63.98	60.02		*	
27	1,280 × 1,024@75 Hz	79.98	75.03		*	
28	1,280 × 1,024@85 Hz	91.15	85.02		*	
29	1,600 × 1,200@60 Hz	75.00	60.00		*	
30	1,0660 × 600@60 Hz	37.88	60.32		*	*
31	1,366 × 768@60 Hz	48.36	60.00		*	*

2 Safety Precautions

2.1. General Guidelines

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

2.1.1. Leakage Current Cold Check

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. When the exposed metallic part has a return path to the chassis, the reading should be between $1\text{M}\Omega$ and $5.2\text{M}\Omega$.

When the exposed metal does not have a return path to the chassis, the reading must be ∞ .

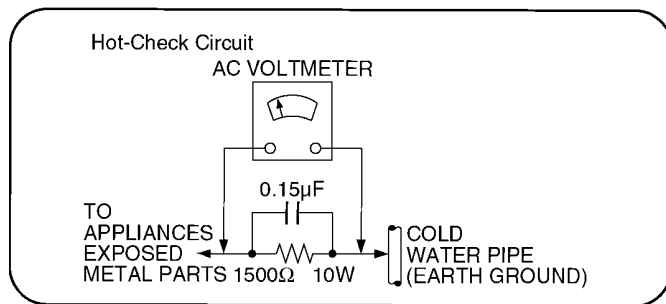


Figure 1

2.1.2. Leakage Current Hot Check (See Figure 1.)

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a $1.5\text{k}\Omega$, 10 watts resistor, in parallel with a $0.15\mu\text{F}$ capacitors, between each exposed metallic part on the set and a good earth ground such as a water pipe, as shown in Figure 1.
3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverse the AC plug in the AC outlet and repeat each of the above measurements.
6. The potential at any point should not exceed 0.75 volts RMS. A leakage current tester (Simpson Model 229 or equivalent) may be used to make the hot checks, leakage current must not exceed $1/2$ milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

3 Prevention of Electro Static Discharge (ESD) to Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by electro static discharge (ESD).

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static (ESD protected)" can generate electrical charge sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

Caution

Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device).

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by \triangle in the schematic diagrams, Exploded Views and replacement parts list. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire, or other hazards. Do not modify the original design without permission of manufacturer.

4 About lead free solder (PbF)


Note: Lead is listed as (Pb) in the periodic table of elements.

In the information below, Pb will refer to Lead solder, and PbF will refer to Lead Free Solder.

The Lead Free Solder used in our manufacturing process and discussed below is (Sn+Ag+Cu).

That is Tin (Sn), Silver (Ag) and Copper (Cu) although other types are available.

This model uses Pb Free solder in it's manufacture due to environmental conservation issues. For service and repair work, we'd suggest the use of Pb free solder as well, although Pb solder may be used.

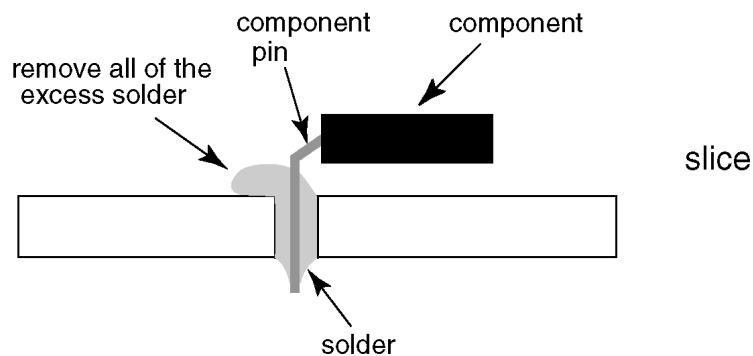
PCBs manufactured using lead free solder will have the PbF within a leaf Symbol  stamped on the back of PCB.

Caution

- Pb free solder has a higher melting point than standard solder. Typically the melting point is 50 ~ 70 °F (30~40 °C) higher. Please use a high temperature soldering iron and set it to 700 ± 20 °F (370 ± 10 °C).
- Pb free solder will tend to splash when heated too high (about 1100 °F or 600 °C).

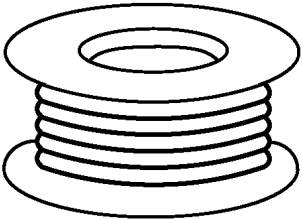
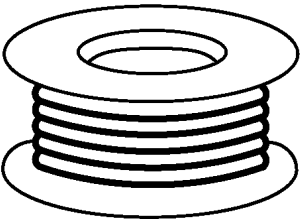
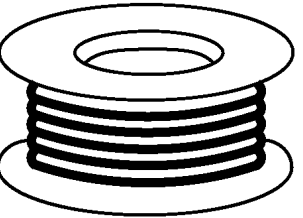
If you must use Pb solder, please completely remove all of the Pb free solder on the pins or solder area before applying Pb solder. If this is not practical, be sure to heat the Pb free solder until it melts, before applying Pb solder.

- After applying PbF solder to double layered boards, please check the component side for excess solder which may flow onto the opposite side. (see figure below)



Suggested Pb free solder

There are several kinds of Pb free solder available for purchase. This product uses Sn+Ag+Cu (tin, silver, copper) solder. However, Sn+Cu (tin, copper), Sn+Zn+Bi (tin, zinc, bismuth) solder can also be used.

0.3mm X 100g	0.6mm X 100g	1.0mm X 100g
		

5 PCB Structure sheet of GP6D chassis

Board Name	Function	Remarks
D	Digital Signal Processor	1
J	Slot Interface & SYNC processor	1
Z	Audio out, DC-DC converter	
SS	Sustain Out	1
SC	Scan out	1
SU	Sustain connection (Upper)	1
SD	Sustain connection (Lower)	1
C1	Data Drive (Lower Right)	
C2	Data Drive (Lower Left)	
H3	Speaker terminal	
S1	Power switch	
SS2	Sustain connection (Upper)	
SS3	Sustain connection (Lower)	
V1	Front SW. & Remote receiver	
PF	Line filter	
P	Power supply	1
HX	PC_type_Input terminal	
HY	BNC Composite/Component Video	2
HZ	BNC Component Video	3

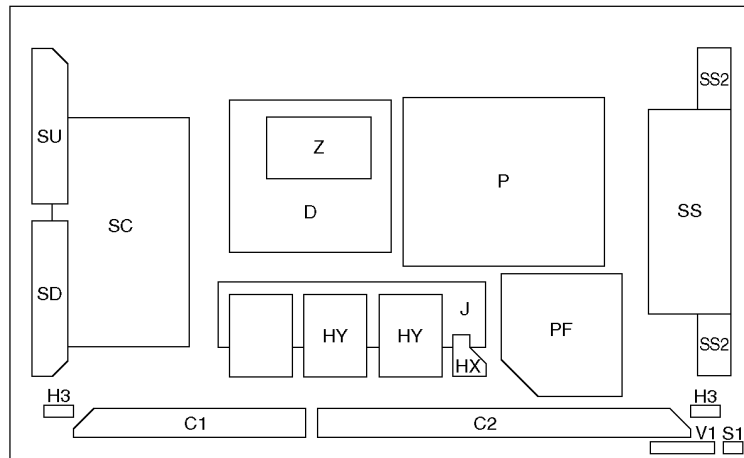
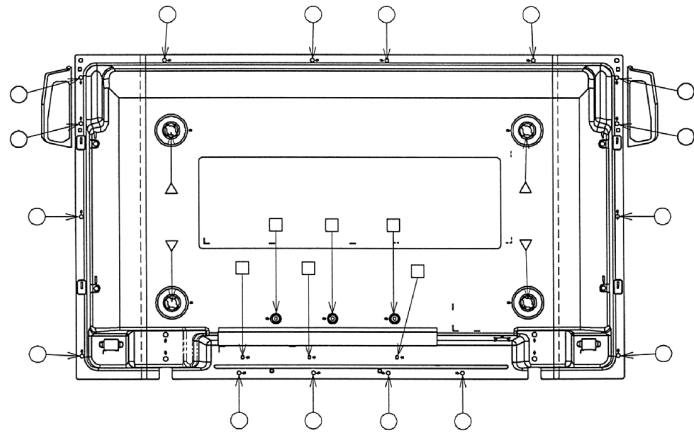
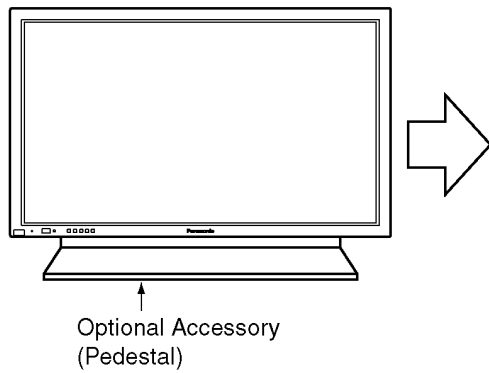
Remarks

1. Recommend PCB's for initial service for GP6D chassis.
2. For System model except BX, EX version
3. For Consumer model except BX, EX version

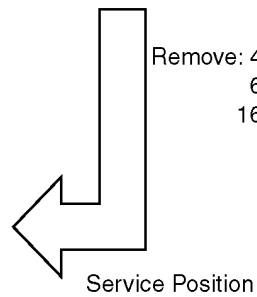
6 Service Hint

Remove the Back Cover

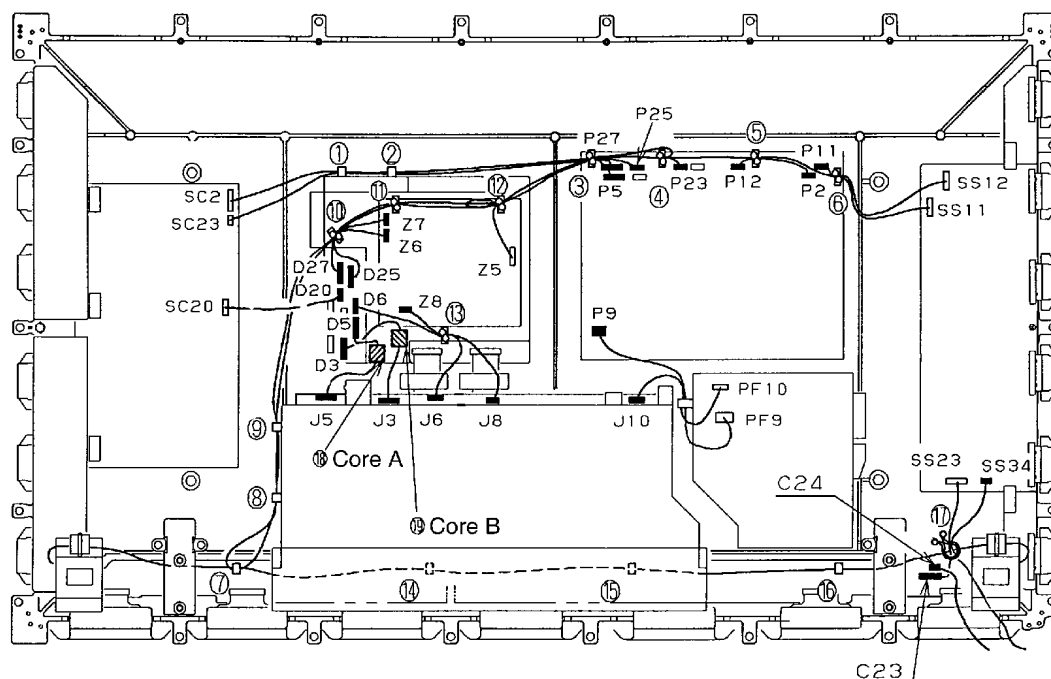
Stand the Unit used for Optional Accessory



Remove: 4 screws (△) XYN8+F20FZ
6 screws (□) THEL023Z
16 screws (○) THTF010Z



7 Location of Lead Wiring



CLAMPER		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
CON:NO	CON:NO																			
SC2	— P2	○	○	○	○	○														
SC23	— P23	○	○	○	○															
SC20	— D20																			
D27	— P27			○							○	○	○							
D25	— P25			○							○	○	○							
D3	— J3																		○	
D25	— J3														○					
Z8	— J8														○					
D5	— J5																		○	
Z5	— P5			○	○								○							
Z7	— H37 (SC SIDE)							○	○	○	○	○								
Z6	— H37 (SS SIDE)							○	○	○	○	○				○	○	○		
P12	— SS12					○	○													
P11	— SS11					○														
C23	— SS23																	○		
POWER SW	— SS34																	○		

◎ Wind up second times.

Connector Connection: P2, P5, P9, P11, P12, P23, P25, P27
 Z6, Z7, Z8,
 D3, D5, D6, D20, D25, D27
 J3, J5, J6, J8, J10,
 SS34,
 C23, C24

8 Adjustment Procedure

8.1. +B Set-up

8.1.1. Item / Preparation

1. Input a Grey scale signal.
2. Set the picture controls: -
Picture mode: Normal
White balance: Normal

8.1.2. Adjustments

Adjust and confirm indicated test point for the specified voltage.

Adjust

Name	Volume	Voltage	Test Point	Remarks
Vsus	R605	170V \pm 1V	P11 pin 2	
Vda	R590	67V \pm 0.5V	P12 pin 1	

Confirm

Name	Voltage	Test Point	Remarks
15V	15.4V \pm 0.5V	P23 pin 1	
15V	15.2V \pm 0.5V	P7 pin 1	
12V	11.8V \pm 0.5V	P25 pin 1	
Audio 12V	12.5V \pm 0.8V	P5 pin 7	
5V	5.1V \pm 0.3V	P25 pin 5	
STB 5V	5.0V \pm 0.3V	P27 pin 4	
Fan 15V	15.4V \pm 0.5V	P10 pin 1	
Fan 5V	5.1V \pm 0.3V	P10 pin 4	
PFC	380V \pm 15V	C468(+), C468(-)	

8.2. Driver Set-up

8.2.1. Item / Preparation

1. Input an APL 100 % white signal.
2. Set the picture controls: -
Picture mode: Normal
White balance: Cool
Aspect: 16:9

8.2.2. Adjustments

Adjust driver section voltages referring the panel data on the panel data label.

Name	Test Point	Voltage	Volume	Remarks
Vsus	TPVSUS (SS)	170V \pm 1V	R605 (P)	
Vbk	TPVBK (SC)	155V \pm 5V	R6443 (SC)	
Ve	TPVE (SS)	158V \pm 1V	R6774 (SS)	
Vset	TPVSET (SC)	218V \pm 6V	---	
Vad	TPVAD (SC)	-90V \pm 1V	R6477 (SC)	
Vscn	TPVSCN (SC)	Vad*+118V \pm 2V	---	
Vda	TPVDA (SS)	67V \pm 1V	R590 (P)	

*See the Panel label.

Panel Label information

Serial No.

Ve: v, Vsus: v

MADE IN JAPAN TQF

Adjustment voltage

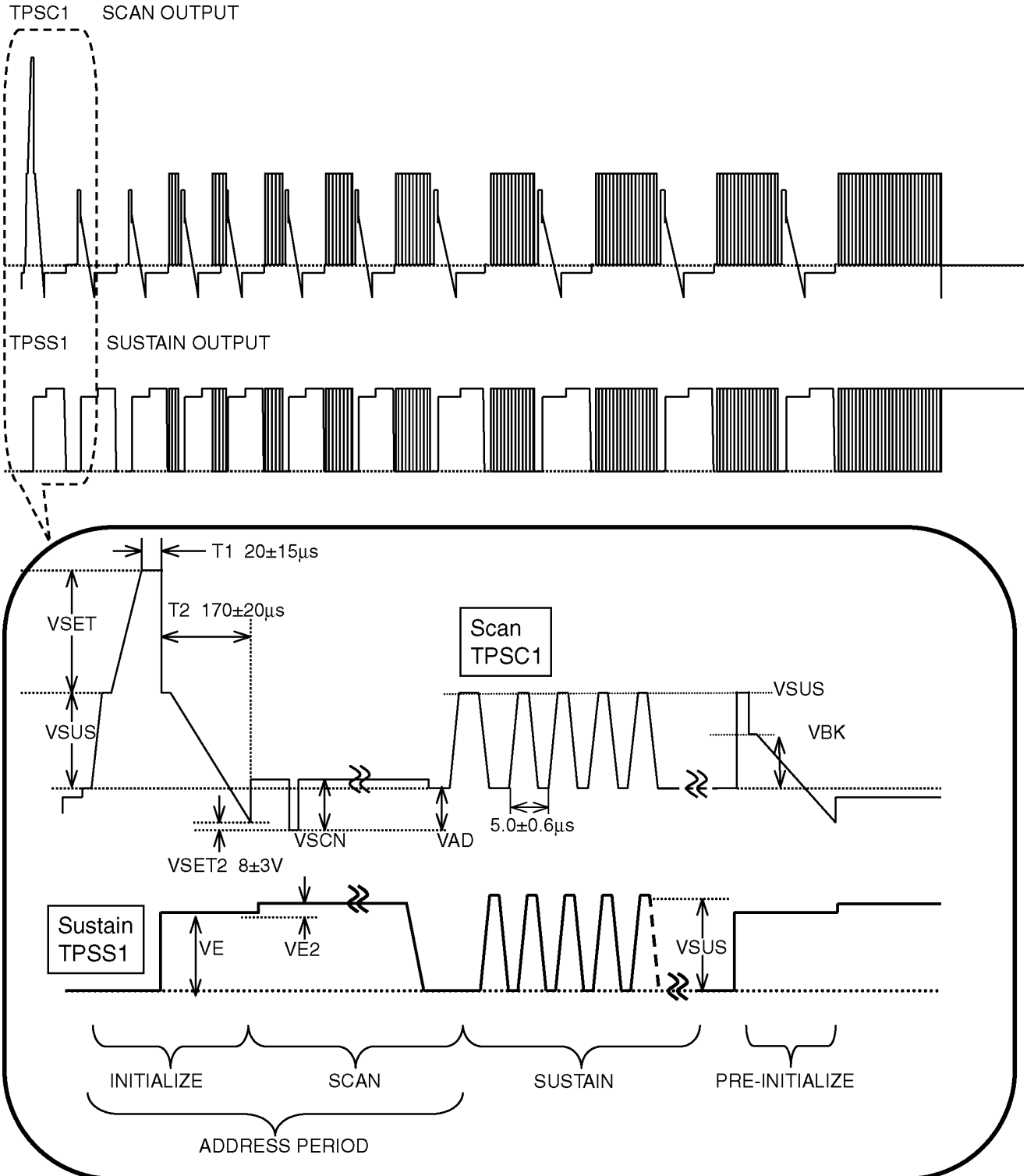
←

8.3. Initialization Pulse Adjust

1. Input a Cross hatch signal.
2. Set the picture controls: -
Picture mode: Normal
White balance: Cool

Adjust the indicated test point for the specified wave form.

	Test point	Volume	Level
T1	TPSC1 (SC)	R6523 (SC)	$20 \pm 15\mu$ Sec
T2	TPSS1 (SS)	R6557 (SC)	$170 \pm 20\mu$ Sec



8.4. P.C.B. (Printed Circuit Board) exchange

8.4.1. Caution

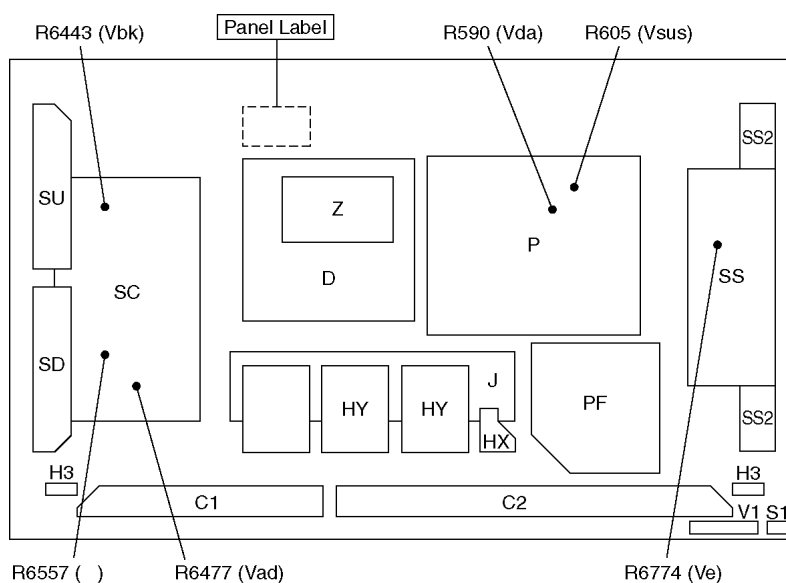
1. To remove P.C.B. , wait 1 minute after power was off for discharge from electrolysis capacitors.

8.4.2. Quick adjustment after P.C.B. exchange

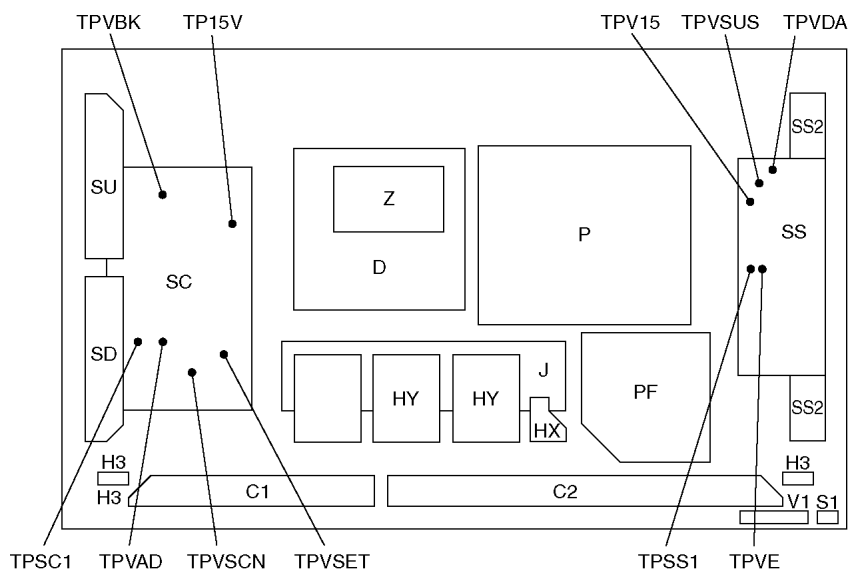
P.C.B.	Name	Test Point	Voltage	Volume	Remarks
P Board	Vsus	TPVSUS (SS)	170V \pm 1V	R605 (P)	
	Vda	TPVDA (SS)	67V \pm 1V	R590 (P)	
SC Board	Vbk	TPVBK (SC)	155V \pm 5V	R6443 (SC)	
	Vad	TPVAD (SC)	-90V \pm 1V	R6477 (SC)	
	Vset	TPVSET (SC)	218V \pm 6V	---	
	Vscn	TPVSCN (SC)	Vad + 118 \pm 2V	---	
SS Board	Ve	TPVE (SS)	158V \pm 1V	R6774 (SS)	
D, J Board	White blance, Pedestal and Sub brightness for NTSC, PAL, HD, PC and 625i signals				

*See the Panel label.

8.5. Adjustment Volume Location



8.6. Test Point Location



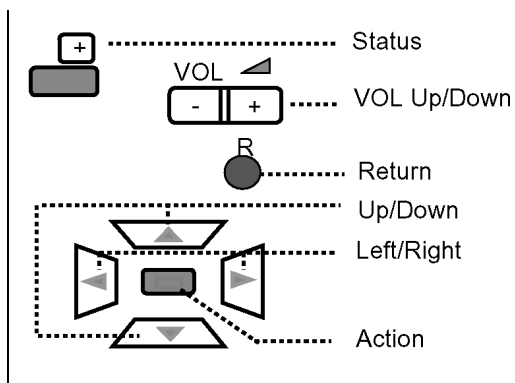
9 Service mode

9.1. CAT (computer Aided Test) mode

CAT mode menu

CAT Panel sys8.2		Mode	Function	Access button
IIC Mode	←.....	IIC	Service Alignment	Action
CD Mode	←.....	CD(Complete Diagnostics)	Software version information EEPROM edit	Mute more than 5 seconds
SD Mode	←.....	SD(Status Display)	MTBF parameter	Action
MS Mode	←.....	MS Mode	Not use	----
ID Mode	←.....	ID	Not use	----

Remote control



How to access the CAT mode.

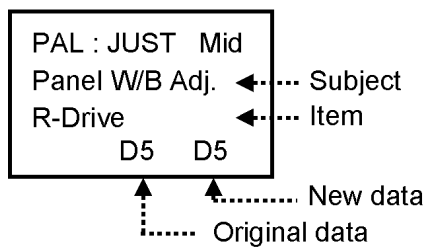
Press and the hold the Volume down / - button on the front panel of the unit and press the status button on the remote control 3 times quickly within 1 second, this will place the unit into the CAT mode.

To exit the **CAT mode**, access the **ID mode** and switch off the main power.

9.1.1. IIC mode

Select the IIC mode by **Up/Down button** on the remote control at the front page of CAT mode then press the **Action button** on the remote control.

OSD



How to use the IIC mode.

1. Select the alignment **Subject** by **Up/Down buttons** on the remote control.
2. Select the alignment **Item** by **Left/Right buttons** on the remote control.
3. Adjust **optimum setting** by **Volume Up/Down buttons** on the remote control.
4. The **data is memorized** when press the **R button** on the remote control or change the alignment Subject (or Items).

Subject and item are mentioned on page 14.

To exit the IIC mode, press the **R button** on the remote control.

9.1.2. CD mode

Select the CD mode by **Up/Down button** on the remote control at the front page of CAT mode then press the **Mute button** on the remote control more than 5 sec.

OSD

MiCom Software version.	0.11	OK Factory use
Memory data version D	0.11 1	8 63	
Memory data version H	21.05	78 3F	
Memory data change Address	0	0	
Data	0	0 New data
		 Original data

Micom software version (IC9354), this version can be upgrade by

1. replace of new version IC
2. Loading the new version software from loader tool, TZSC07036.

Memory data change

Address	0	0	Change by Up/Down buttons on the remote control.
			Change by Left/Right buttons on the remote control.
Data	0	0 Change by VOL Up/Down buttons on the remote control.

The data is memorized when switch off the main power.

To exit the CD mode, press the **R button** on the remote control.

9.1.3. SD mode

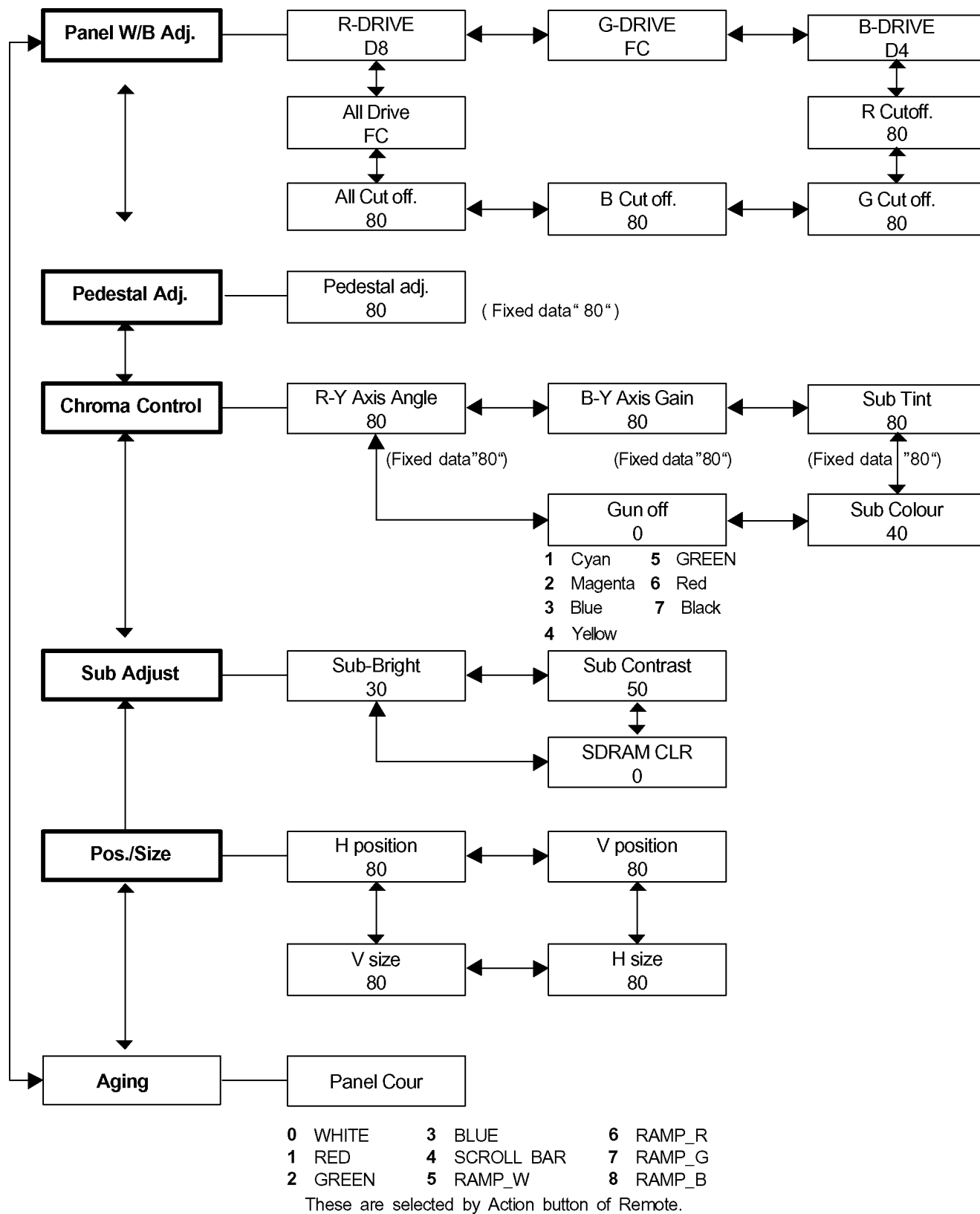
Select the SD mode by Up/Down button on the remote control at the front page of CAT mode then press the Action button on the remote control.

OSD

Input command check	23 25 27 - - - - - 27 27 27 - - - - - 28 25 25 37	History of remote control command. (Factoly use)
MTBF parameter	WT	72 Cumulative Time for power on condition. (unit :hour) Counter of power on. (unit :time)
	PT	12	
Remote Control mode A B			



To exit the SD mode, press the **R button** on the remote control.

9.2. IIC mode structure (following items value is sample data.)



10 Alignment

10.1. Pedestal setting (C)

	INPUT	Equipment	Setting	Alignment menu	Procedure
1	RGB(PC) Gray Scale Pattern 		Picture: Normal White balance: Cool Aspect: 16:9 COMPONENT /RGB-IN: RGB	PANEL W/B R cut off G cut off B cut off Chroma Control: Gun off RGB Sub Adjust: G Sub Bright 1 Chroma Control: Gun off RGB Sub Adjust: B Sub Bright 1 Chroma Control: Gun off RGB Sub Adjust: R Sub Bright 1	** Adjust at the dark room. 1) Set R,G and B cut off to " 80 ". 2) Set Gun off to "5". (Only green pixels can emit.) 3) Adjust G Sub bright to start some of green pixels emission at black 2% area and no emission at black 0% area. 4) Set Gun off to "3". (Only blue pixels can emit.) 5) Adjust B Sub bright to start some of blue pixels emission at black 2% area and no emission at black 0% area. 6) Set Gun off to "6". (Only red pixels can emit.) 7) Adjust R Sub bright to start some of red pixels emission at black 2% area and no emission at black 0% area.
2	Component (525i, 525p, 625i, 720i or 1080i) Gray Scale Pattern 		Picture: Normal White balance: Cool Aspect: 16:9	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change input to Component signal. 2) Repeat procedure 1) to 7) of RGB input signal.



Note:

OSD is the difference between UY model and Except UY model.

Picture: Normal (Except UY)/Standard (UY model)

White balance (Except UY)/Color Temp (UY model)

10.2. Pedestal setting (B)

	INPUT	Equipment	Setting	Alignment menu	Procedure
1	RGB(PC) Gray Scale Pattern 		Picture: Normal White balance: Cool Aspect: 16:9 COMPONENT /RGB-IN: RGB	PANEL W/B R cut off G cut off B cut off Chroma Control: Gun off RGB Sub Adjust: G Sub Bright 2 Chroma Control: Gun off RGB Sub Adjust: B Sub Bright 2 Chroma Control: Gun off RGB Sub Adjust: R Sub Bright 2	** Adjust at the dark room. 1) Press the SWAP button, change input to signal path. 2) Set R,G and B cut off to " 3) Set Gun off to "5". (Only green pixels can emit.) 4) Adjust G Sub bright to start some of green pixels emission at black 2% area and no emission at black 0% area. 5) Set Gun off to "3". (Only blue pixels can emit.) 6) Adjust B Sub bright to start some of blue pixels emission at black 2% area and no emission at black 0% area. 7) Set Gun off to "6". (Only red pixels can emit.) 8) Adjust R Sub bright to start some of red pixels emission at black 2% area and no emission at black 0% area.
2	Component (525i, 525p, 625i, 720i or 1080i) Gray Scale Pattern 		Picture: Normal White balance: Cool Aspect: 16:9	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change input to Component signal. 2) Repeat procedure 1) to 7) of RGB input signal.


Note:

OSD is the difference between UY model and Except UY model.


Picture: Normal (Except UY)/Standard (UY model)

White balance (Except UY)/Color Temp (UY model)

10.3. NTSC panel white balance


	INPUT	Equipment	Setting	Alignment menu	Procedure												
1	NTSC Gray Scale Pattern 	Color Analyzer	Picture: Normal White balance: Cool Aspect: 16:9	Sub Adjust Sub Bright PANEL W/B G cut off PANEL W/B B cut off R cut off Sub Adjust Sub Bright PANEL W/B G Drive PANEL W/B B Drive R Drive PANEL W/B R,G,B Drive R,G,B Drive PANEL W/B R,G,B cut off	1) Find the nearest area to brightness of 10 cd/m ² as Low light by color sensor. 2) Adjust Sub bright to set Low light level to 10 cd/m ² exactly. 3) Set G cut off to " 80 " . 4) Adjust B and R cut off to set color temperature as shown Fig.-01. 5) If Sub Bright is changed re-adjust it to set Low light to 10 cd/m ² . 6)Find 75% of white area by color sensor. 7) Set G Drive to " D8 " . 8) Adjust B and R Drive to set color temperature as shown Fig.-01. 9) Repeat item 4) to 7) to set both Low light and high light. 10) Increase same steps of R, G and B Drive to set largest level of 3 color drive to "FC". 11) Re-adjust Low light level again. <table border="1" data-bbox="878 1029 1239 1150"><tr><td>Color Temp.</td><td>x</td><td>y</td></tr><tr><td>Cool(Hi)</td><td>0.276</td><td>0.276</td></tr><tr><td>Normal(Mid)</td><td>0.288</td><td>0.296</td></tr><tr><td>Warm(Low)</td><td>0.313</td><td>0.329</td></tr></table> Fig. -01	Color Temp.	x	y	Cool(Hi)	0.276	0.276	Normal(Mid)	0.288	0.296	Warm(Low)	0.313	0.329
Color Temp.	x	y															
Cool(Hi)	0.276	0.276															
Normal(Mid)	0.288	0.296															
Warm(Low)	0.313	0.329															
2			Picture: Normal White balance: Normal Aspect: 16:9	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change white balance to "Normal". 2) Repeat procedure 3) to 11) of Cool mode.												
3			Picture: Normal White balance: Warm Aspect: 16:9	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change white balance to "Warm". 2) Repeat procedure 3) to 11) of Cool mode.												
4			Picture: Normal White balance: Cool Aspect: 16:9	Picture Menu Sub Adjust Sub Bright	1) Change color templature to "Cool". 2)Re-set Sub bright to "30"												



10.4. PAL/SECAM panel white balance

	INPUT	Equipment	Setting	Alignment menu	Procedure												
1	<div>PAL Gray Scale Pattern</div> <div></div>	Color Analyzer	Picture: Normal White balance: Cool Aspect: 16:9	Sub Adjust Sub Bright PANEL W/B G cut off PANEL W/B B cut off R cut off Sub Adjust Sub Bright PANEL W/B G Drive PANEL W/B B Drive R Drive PANEL W/B R,G,B Drive R,G,B Drive PANEL W/B R,G,B cut off	<div>1) Find the nearest area to brightness of 10 cd/m² as Low light by color sensor.</div> <div>2) Adjust Sub bright to set Low light level to 10 cd/m² exactly.</div> <div>3) Set G cut off to " 80 ".</div> <div>4) Adjust B and R cut off to set color temperature as shown Fig.-02.</div> <div>5) If Sub Bright is changed re-adjust it to set Low light to 10 cd/m².</div> <div>6)Find 75% of white area by color sensor.</div> <div>7) Set G Drive to " D8 ".</div> <div>8) Adjust B and R Drive to set color temperature as shown Fig.-02.</div> <div>9) Repeat procedure 4) to 7) to set both Low light and high light.</div> <div>10) Increase same steps of R, G and B Drive to set largest level of 3 color drive to "FC".</div> <div>11) Re-adjust Low light level again.</div> <div><table><tr><td>Color Temp.</td><td>x</td><td>y</td></tr><tr><td>Cool(Hi)</td><td>0.276</td><td>0.276</td></tr><tr><td>Normal(Mid)</td><td>0.288</td><td>0.296</td></tr><tr><td>Warm(Low)</td><td>0.313</td><td>0.329</td></tr></table><div>Fig. -02</div></div>	Color Temp.	x	y	Cool(Hi)	0.276	0.276	Normal(Mid)	0.288	0.296	Warm(Low)	0.313	0.329
Color Temp.	x	y															
Cool(Hi)	0.276	0.276															
Normal(Mid)	0.288	0.296															
Warm(Low)	0.313	0.329															
2			Picture: Normal White balance: Normal Aspect: 16:9	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	<div>1) Change white balance to "Normal".</div> <div>2) Repeat procedure 3) to 11) of Cool mode.</div>												
3			Picture: Normal White balance: Warm Aspect: 16:9	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	<div>1) Change white balance to "Warm".</div> <div>2) Repeat procedure 3) to 11) of Cool mode.</div>												
4			Picture: Normal White balance: Cool Aspect: 16:9	Picture Menu Sub Adjust Sub Bright	<div>1) Change color templature to "Cool".</div> <div>2)Re-set Sub bright to "30"</div>												


		Equipment	Setting	Alignment menu	Procedure																												
5			Picture: Normal Aspect: 16:9 White balance: Cool Normal Warm		1) Write down each color temaparature of R,G,B drive and Cut off data as follows. <table border="1"><tr><td>White Balance</td><td>Cool</td><td>Normal</td><td>Warm</td></tr><tr><td>R Drive</td><td></td><td></td><td></td></tr><tr><td>G Drive</td><td></td><td></td><td></td></tr><tr><td>B Drive</td><td></td><td></td><td></td></tr><tr><td>R Cut off</td><td></td><td></td><td></td></tr><tr><td>G Cut off</td><td></td><td></td><td></td></tr><tr><td>B Cut off</td><td></td><td></td><td></td></tr></table>	White Balance	Cool	Normal	Warm	R Drive				G Drive				B Drive				R Cut off				G Cut off				B Cut off			
White Balance	Cool	Normal	Warm																														
R Drive																																	
G Drive																																	
B Drive																																	
R Cut off																																	
G Cut off																																	
B Cut off																																	
	SECAM signal				2) Input SECAM signal. 3) Copy PAL R,G,B drive and cut off data of each white balance mode to SECAM position.																												

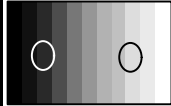

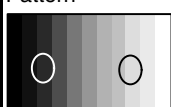
10.5. PC/RGB panel white balance

	INPUT	Equipment	Setting	Alignment menu	Procedure												
1	PC Gray Scale Pattern 	Color Analyzer	Picture: Normal White balance: Cool Aspect: 16:9	Sub Adjust Sub Bright PANEL W/B G cut off PANEL W/B B cut off R cut off Sub Adjust Sub Bright PANEL W/B G Drive PANEL W/B B Drive R Drive PANEL W/B R,G,B Drive R,G,B Drive PANEL W/B R,G,B cut off	1) Find the nearest area to brightness of 10 cd/m ² as Low light by color sensor. 2) Adjust Sub bright to set Low light level to 10 cd/m ² exactly. 3) Set G cut off to " 80 ". 4) Adjust B and R cut off to set color temperature as shown Fig.-03. 5) If Sub Bright is changed re-adjust it to set Low light to 10 cd/m ² . 6)Find 75% of white area by color sensor. 7) Set G Drive to " D8 ". 8) Adjust B and R Drive to set color temperature as shown Fig.-03. 9) Repeat item 4) to 7) to set both Low light and high light. 10) Increase same steps of R, G and B Drive to set largest level of 3 color drive to "FC". 11) Re-adjust Low light level again. <table border="1" data-bbox="932 1008 1292 1127"><tr><td>Color Temp.</td><td>x</td><td>y</td></tr><tr><td>Cool(Hi)</td><td>0.276</td><td>0.276</td></tr><tr><td>Normal(Mid)</td><td>0.288</td><td>0.296</td></tr><tr><td>Warm(Low)</td><td>0.313</td><td>0.329</td></tr></table> Fig. -03	Color Temp.	x	y	Cool(Hi)	0.276	0.276	Normal(Mid)	0.288	0.296	Warm(Low)	0.313	0.329
Color Temp.	x	y															
Cool(Hi)	0.276	0.276															
Normal(Mid)	0.288	0.296															
Warm(Low)	0.313	0.329															
2			Picture: Normal White balance: Normal Aspect: 16:9	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change white balance to "Normal". 2) Repeat procedure 3) to 11) of Cool mode.												
3			Picture: Normal White balance: Warm Aspect: 16:9	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change white balance to "Warm". 2) Repeat procedure 3) to 11) of Cool mode.												
4			Picture: Normal White balance: Cool Aspect: 16:9	Picture Menu Sub Adjust Sub Bright	1) Change color templatere to "Cool". 2)Re-set Sub bright to "30"												

	INPUT	Equipment	Setting	Alignment menu	Procedure																												
5	<p>RGB Gray Scale Pattern</p> 		Picture: Normal Aspect: 16:9 White balance: Cool Normal Warm		<p>1) Write down each color temparature of R,G,B drive and Cut off data as follows.</p> <table border="1"><tr><td>White Balance</td><td>Cool</td><td>Normal</td><td>Warm</td></tr><tr><td>R Drive</td><td></td><td></td><td></td></tr><tr><td>G Drive</td><td></td><td></td><td></td></tr><tr><td>B Drive</td><td></td><td></td><td></td></tr><tr><td>R Cut off</td><td></td><td></td><td></td></tr><tr><td>G Cut off</td><td></td><td></td><td></td></tr><tr><td>B Cut off</td><td></td><td></td><td></td></tr></table> <p>2) Input RGB signal.</p> <p>3) Copy PC R,G,B drive and cut off data of each white balance mode to RGB position.</p>	White Balance	Cool	Normal	Warm	R Drive				G Drive				B Drive				R Cut off				G Cut off				B Cut off			
White Balance	Cool	Normal	Warm																														
R Drive																																	
G Drive																																	
B Drive																																	
R Cut off																																	
G Cut off																																	
B Cut off																																	
6	<p>DVI Gray Scale Pattern</p> 		Picture: Normal Aspect: 16:9 White balance: Cool Normal Warm		<p>1) Write down each color temparature of R,G,B drive and Cut off data as follows.</p> <table border="1"><tr><td>White Balance</td><td>Cool</td><td>Normal</td><td>Warm</td></tr><tr><td>R Drive</td><td></td><td></td><td></td></tr><tr><td>G Drive</td><td></td><td></td><td></td></tr><tr><td>B Drive</td><td></td><td></td><td></td></tr><tr><td>R Cut off</td><td></td><td></td><td></td></tr><tr><td>G Cut off</td><td></td><td></td><td></td></tr><tr><td>B Cut off</td><td></td><td></td><td></td></tr></table> <p>2) Input DVI signal.</p> <p>3) Copy PC R,G,B drive and cut off data of each white balance mode to DVI position.</p>	White Balance	Cool	Normal	Warm	R Drive				G Drive				B Drive				R Cut off				G Cut off				B Cut off			
White Balance	Cool	Normal	Warm																														
R Drive																																	
G Drive																																	
B Drive																																	
R Cut off																																	
G Cut off																																	
B Cut off																																	

10.6. HD/ 525i /525p /625I /625P panel white balance

	INPUT	Equipment	Setting	Alignment menu	Procedure												
1	HD (720i or 1080i) Gray Scale Pattern  High light 75% Low light 15%	Color Analyzer	Picture: Normal White balance: Cool Aspect: 16:9	Sub Adjust Sub Bright PANEL W/B G cut off PANEL W/B B cut off R cut off Sub Adjust Sub Bright PANEL W/B G Drive PANEL W/B B Drive R Drive PANEL W/B R,G,B Drive R,G,B Drive PANEL W/B R,G,B cut off	1) Find the nearest area to brightness of 10 cd/m ² as Low light by color sensor. 2) Adjust Sub bright to set Low light level to 10 cd/m ² exactly. 3) Set G cut off to " 80 " . 4) Adjust B and R cut off to set color temperature as shown Fig.-04. 5) If Sub Bright is changed re-adjust it to set Low light to 10 cd/m ² . 6)Find 75% of white area by color sensor. 7) Set G Drive to " D8 " . 8) Adjust B and R Drive to set color temperature as shown Fig.-04. 9) Repeat item 4) to 7) to set both Low light and high light. 10) Increase same steps of R, G and B Drive to set largest level of 3 color drive to "FC". 11) Re-adjust Low light level again. <table border="1" data-bbox="932 1037 1294 1157"><tr><th>Color Temp.</th><th>x</th><th>y</th></tr><tr><td>Cool(Hi)</td><td>0.276</td><td>0.276</td></tr><tr><td>Normal(Mid)</td><td>0.288</td><td>0.296</td></tr><tr><td>Warm(Low)</td><td>0.313</td><td>0.329</td></tr></table> Fig. -04	Color Temp.	x	y	Cool(Hi)	0.276	0.276	Normal(Mid)	0.288	0.296	Warm(Low)	0.313	0.329
Color Temp.	x	y															
Cool(Hi)	0.276	0.276															
Normal(Mid)	0.288	0.296															
Warm(Low)	0.313	0.329															
2			Picture: Normal White balance: Normal Aspect: 16:9	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change white balance to "Normal". 2) Repeat procedure 3) to 11) of Cool mode.												
3			Picture: Normal White balance: Warm Aspect: 16:9	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change white balance to "Warm". 2) Repeat procedure 3) to 11) of Cool mode.												
4			Picture: Normal White balance: Cool Aspect: 16:9	Picture Menu Sub Adjust Sub Bright	1) Change color templature to "Cool". 2)Re-set Sub bright to "30"												

	INPUT	Equipment	Setting	Alignment menu	Procedure																												
5	<div>RGB Gray Scale Pattern</div> 		Picture: Normal Aspect: 16:9 White balance: Cool Normal Warm		1) Write down each color temparature of R,G,B drive and Cut off data as follows. <table border="1" data-bbox="880 256 1352 489"><tr><th>White Balance</th><th>Cool</th><th>Normal</th><th>Warm</th></tr><tr><td>R Drive</td><td></td><td></td><td></td></tr><tr><td>G Drive</td><td></td><td></td><td></td></tr><tr><td>B Drive</td><td></td><td></td><td></td></tr><tr><td>R Cut off</td><td></td><td></td><td></td></tr><tr><td>G Cut off</td><td></td><td></td><td></td></tr><tr><td>B Cut off</td><td></td><td></td><td></td></tr></table> 2)Change input signal to 525i and 525p. 3) Copy HD drive and cut off data of each white balance mode to each signals position.	White Balance	Cool	Normal	Warm	R Drive				G Drive				B Drive				R Cut off				G Cut off				B Cut off			
White Balance	Cool	Normal	Warm																														
R Drive																																	
G Drive																																	
B Drive																																	
R Cut off																																	
G Cut off																																	
B Cut off																																	
6	<div>RGB Gray Scale Pattern</div> 		Picture: Normal Aspect: 16:9 White balance: Cool Normal Warm		1) Write down each color temparature of R,G,B drive and Cut off data as follows. <table border="1" data-bbox="880 825 1352 1062"><tr><th>White Balance</th><th>Cool</th><th>Normal</th><th>Warm</th></tr><tr><td>R Drive</td><td></td><td></td><td></td></tr><tr><td>G Drive</td><td></td><td></td><td></td></tr><tr><td>B Drive</td><td></td><td></td><td></td></tr><tr><td>R Cut off</td><td></td><td></td><td></td></tr><tr><td>G Cut off</td><td></td><td></td><td></td></tr><tr><td>B Cut off</td><td></td><td></td><td></td></tr></table> 2)Change input signal to 525p and 625i. 3) Copy HD drive and cut off data of each white balance mode to each signals position.	White Balance	Cool	Normal	Warm	R Drive				G Drive				B Drive				R Cut off				G Cut off				B Cut off			
White Balance	Cool	Normal	Warm																														
R Drive																																	
G Drive																																	
B Drive																																	
R Cut off																																	
G Cut off																																	
B Cut off																																	
7	<div>RGB Gray Scale Pattern</div> 		Picture: Normal Aspect: 16:9 White balance: Cool Normal Warm		1) Write down each color temparature of R,G,B drive and Cut off data as follows. <table border="1" data-bbox="880 1398 1352 1633"><tr><th>White Balance</th><th>Cool</th><th>Normal</th><th>Warm</th></tr><tr><td>R Drive</td><td></td><td></td><td></td></tr><tr><td>G Drive</td><td></td><td></td><td></td></tr><tr><td>B Drive</td><td></td><td></td><td></td></tr><tr><td>R Cut off</td><td></td><td></td><td></td></tr><tr><td>G Cut off</td><td></td><td></td><td></td></tr><tr><td>B Cut off</td><td></td><td></td><td></td></tr></table> 2)Change input signal to 625i and 625p. 3) Copy HD drive and cut off data of each white balance mode to each signals position.	White Balance	Cool	Normal	Warm	R Drive				G Drive				B Drive				R Cut off				G Cut off				B Cut off			
White Balance	Cool	Normal	Warm																														
R Drive																																	
G Drive																																	
B Drive																																	
R Cut off																																	
G Cut off																																	
B Cut off																																	

11 Trouble shooting guide

11.1. Self Check

11.1.1. Display Indication

1. Self-check is used to automatically check the bus line controlled circuit of the Plasma display.
2. To get into the Self-check mode, press the **volume down** button on the customer controls at the front of the set, at the same time pressing the **OFF-TIMER** button on the remote control, and the screen will show :-

If the CCU ports have been checked and found to be incorrect
Or not located then " - - " will appear in place of " OK "

ID	IIC1	IIC2	IIC3		
D	IC9702	OK H21	J/ DG	IC1001	OK H51
	IC9009	OK H61		IC3003	OK H63
	IC9019	OK H62		IC3004	OK H64
	IC9151	OK H53		IC3005	OK H65
	IC9305	---		IC3006	OK H66
	IC9455	OK H55			
	IC9605	OK H56			
	IC9709	OK H52	Z	IC2401	OK H54

11.1.2. Power LED Blinking timing chart

1. Subject

Information of LED Flashing timing chart.

2. Contents

When an abnormality has occurred the unit, the protection circuit operates and reset to the stand by mode. At this time, the defective block can be identified by the number of blinks of the Power LED on the front panel of the unit.

Blinking times	Blinking timing	Contents & Check point
1		Main Micom Power
2		SCAN Driver1
3		3.3V SOS
4		5V SOS
5		Power SOS
6		FAN
7		SCAN Driver2
8		TEMP (Not used)
9		SUS Driver

3. Remarks

Above Fan function is operated during the fans are installed.

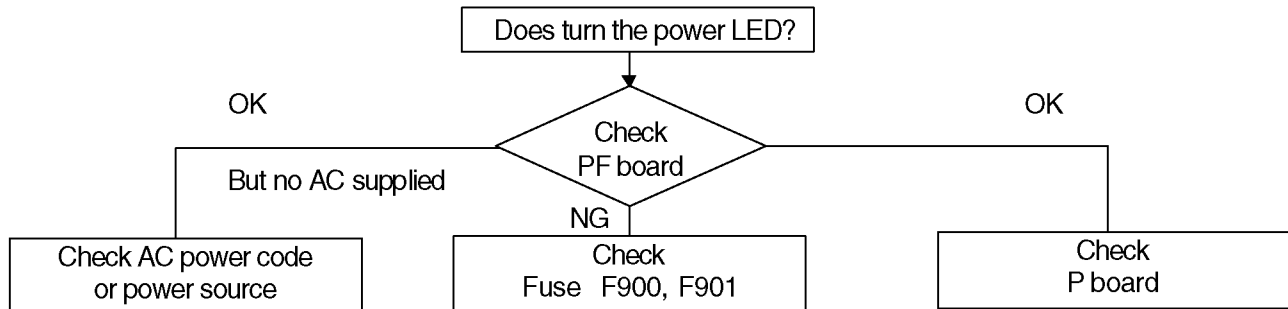
11.2. No Power

First check point

There are following 3 states of No Power indication by power LED.

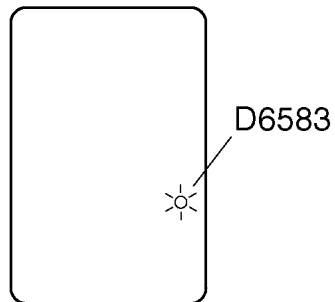
1. No lit
2. Green is lit then turns red blinking a few seconds later.
3. Only red is lit.

1. No lit

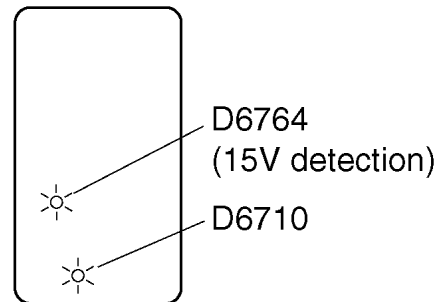


Drive circuits LED indicator

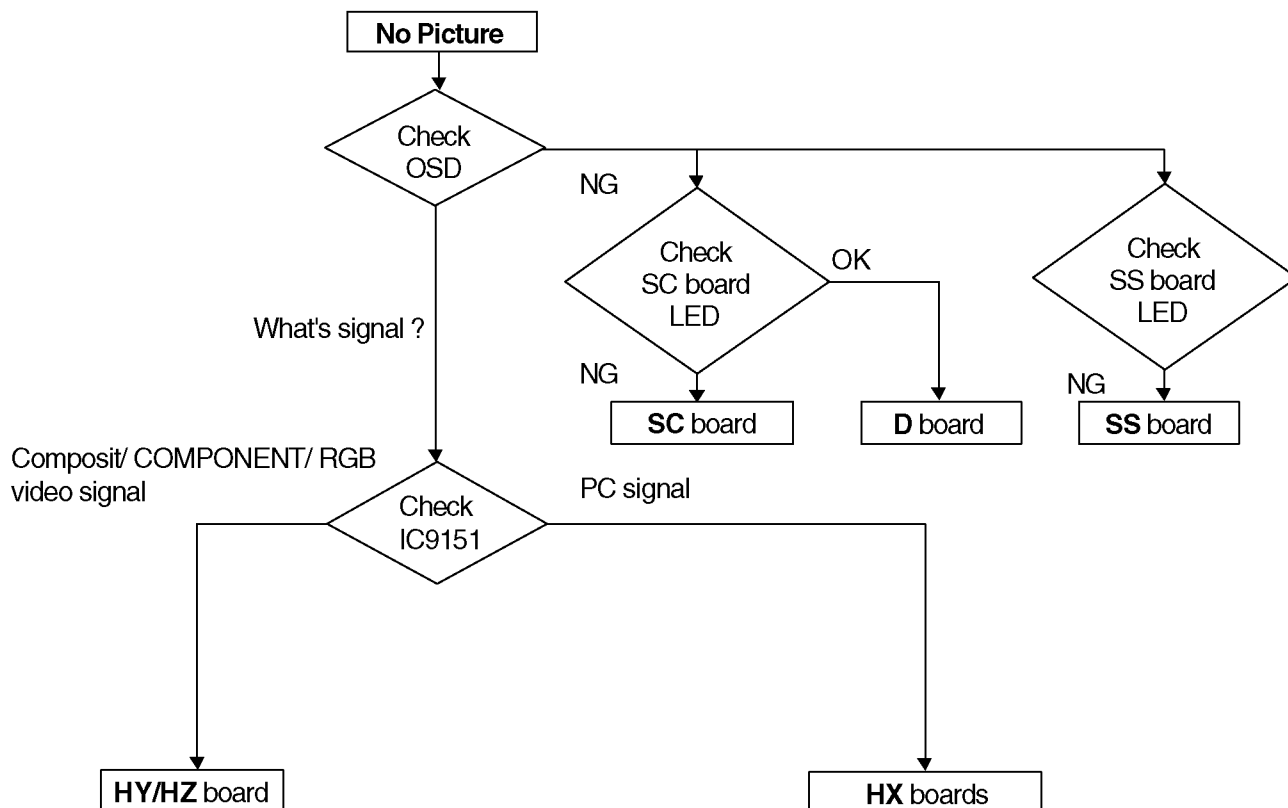
SC board



SS board

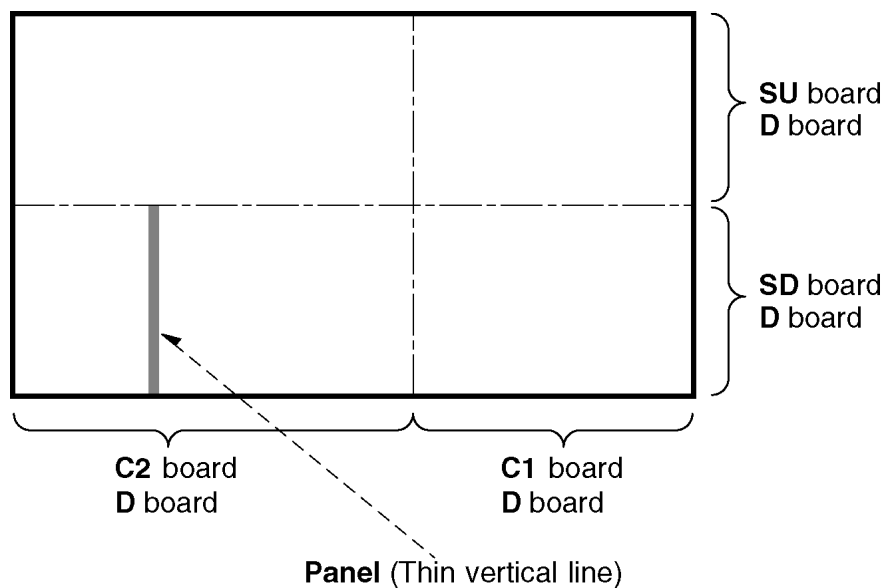


11.3. No Picture



11.4. Local screen failure

Plasma display may have local area failure on the screen. Fig - 1 is the possible defect P.C.B. for each local area.



<Local screen failure chart>

Fig - 1

12 Option Setting

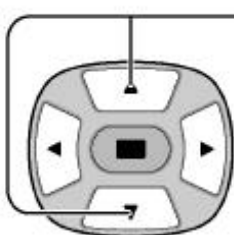
How to access the Option menu

1



Press to display the Setup menu.

2



Press to select OSD Language.



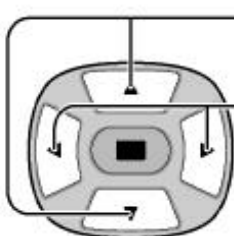
3



Press down for more than 3 seconds to display the Option menu.

Setting the Option menus

1



Press to select the desired item.

Press to select the desired function.

The option menu will disappear 60 seconds after operation.

2



Press to exit Option menu.

Hidden Option Menu for GP6D series

GP6D chassis series have special function and operation setting facility called Option Menu. This Option Menu is useful for special function required customers. This should be set at the installation stage. The end user could not set or change these because of hidden On screen menu.

Option menus	default setting	Contents
Off-timer function	Enable	Off-timer operation Enable/Disable.
On Screen display	On	Enable/Disable to display input mode indication after power on and no signal indication.
Initial Input	Off	Sets the initial input mode when the power is turned on . Allow input mode selection while power is on.
Initial VOL. level	Off	Sets the initial volume level when the power is turned on. Allow Volume control while power is on.
Maximum VOL. Level	Off	Sets the maximum volume to desired level. Volume cannot exceed this level.
INPUT lock	Off	Fixes the input mode to AV, Component/RGB or PC. Can not change input mode by input selection key.
Button lock	Off	Enable/Disable front operation buttons (Input and/or volume up/down)
Studio W/B	Off	Set warm mode color temperature to 3,200 Kelvin.
Remocon User Level	Off	Remote key invalidation. Off : Valid key is all key of remote. User1 : Valid key are only Stand-by (ON/OFF), Input, Status, Surround, Sound mute On/Off, and volume adjustment. User2 : Valid key is only Stand-by (ON/OFF). User3 : All keys are null and void
ID Select	0 to 100	Set ID number from 001 to 100.
Remote ID	Off	Remote ID function On/Off. (While the Remote ID on, standard remote function can not control the unit.)
Serial	Off	Serial ID function On/Off
Slot power	Off	Sets the slot power mode the power is turned on. Allow Optional Terminal Board insert Slots while power is on.

Note :

How to set Remocon User Level and Remote ID off

1. Access service mode (CAT-mode) and press SET UP key on remote.
2. Access Hidden option menu.
3. Change Remocon User Level and/ or Remote ID set to Off.

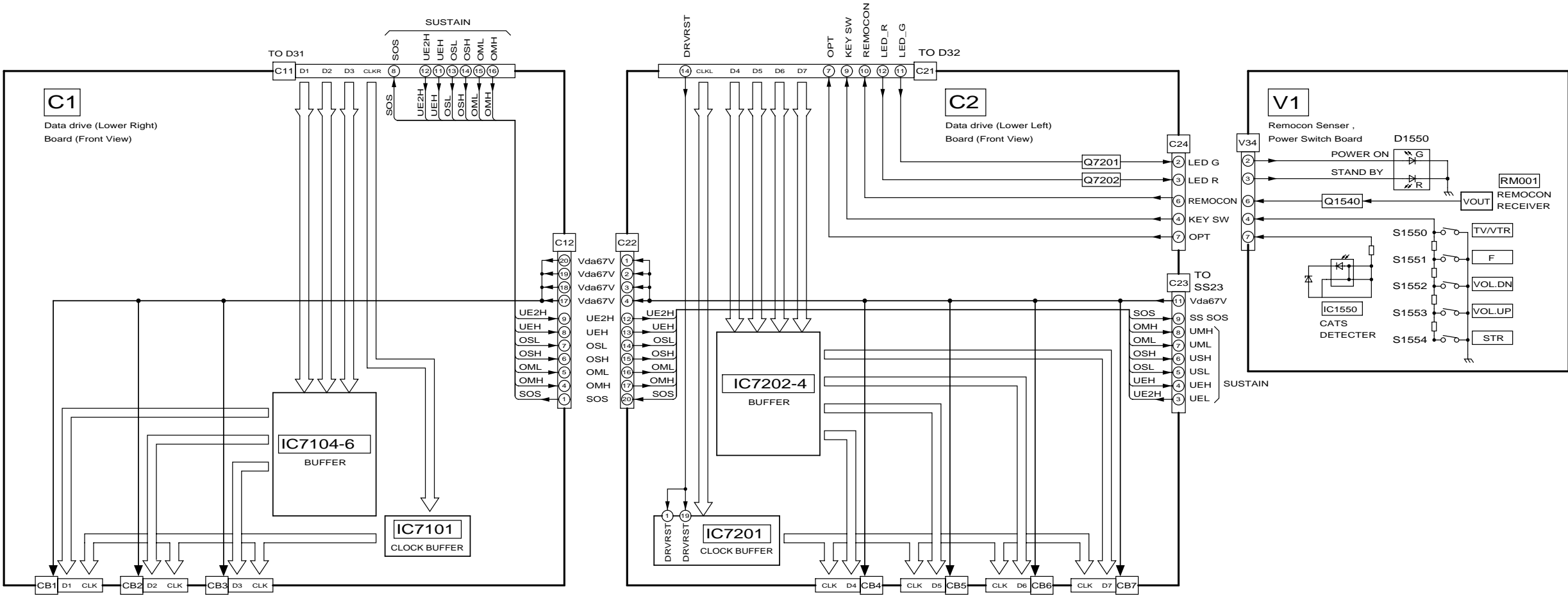
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TH-42PW6/TH-42PWD6
C1,C2 and V1-Board Block Diagram

TH-42PW6/TH-42PWD6
C1,C2 and V1-Board Block Diagram

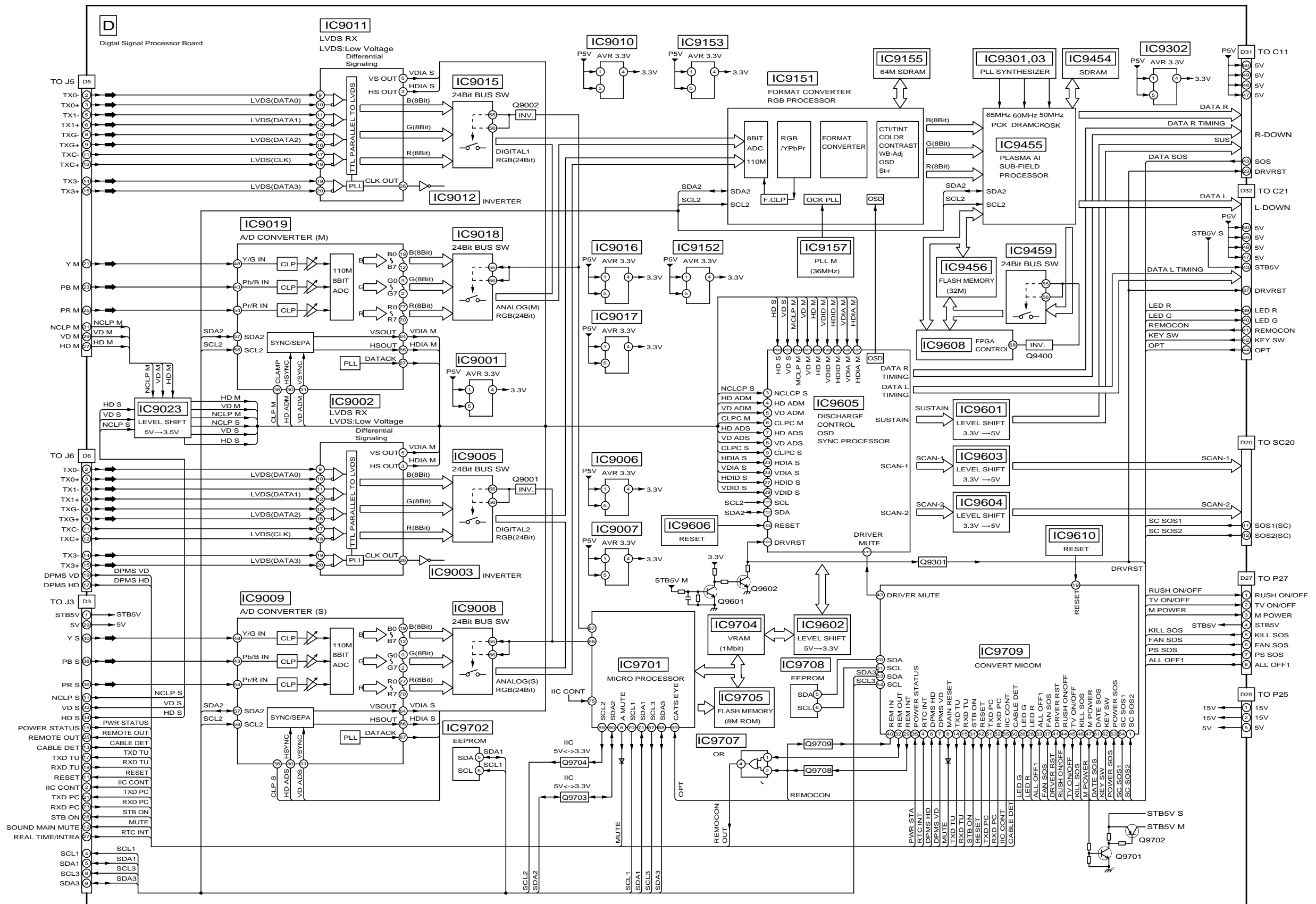
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TH-42PW6/TH-42PWD6 D-Board Block Diagram

TH-42PW6/TH-42PWD6 D-Board Block Diagram

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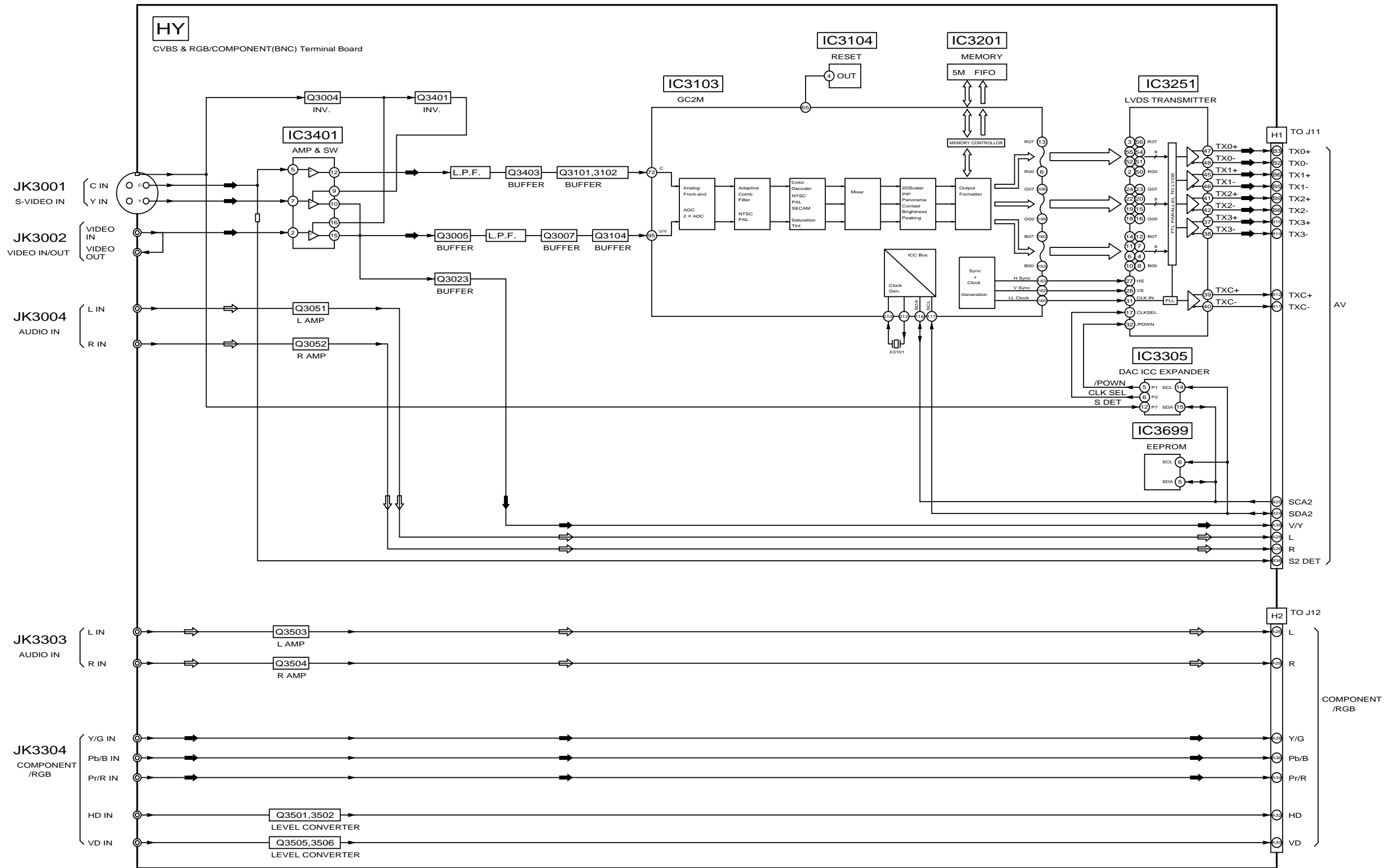
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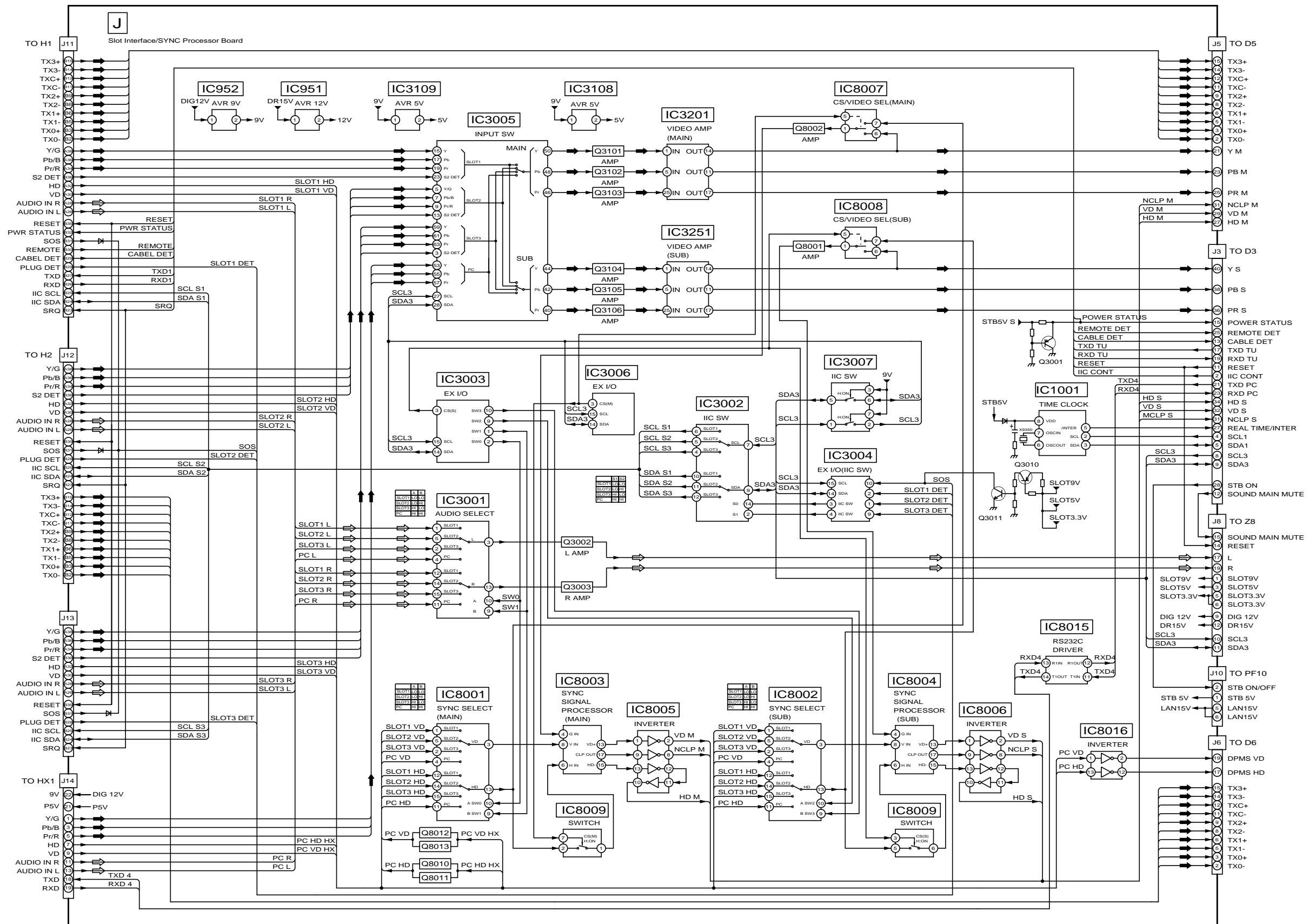
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TH-42PW6/TH-42PWD6 J-Board Block Diagram

TH-42PW6/TH-42PWD6 J-Board Block Diagram

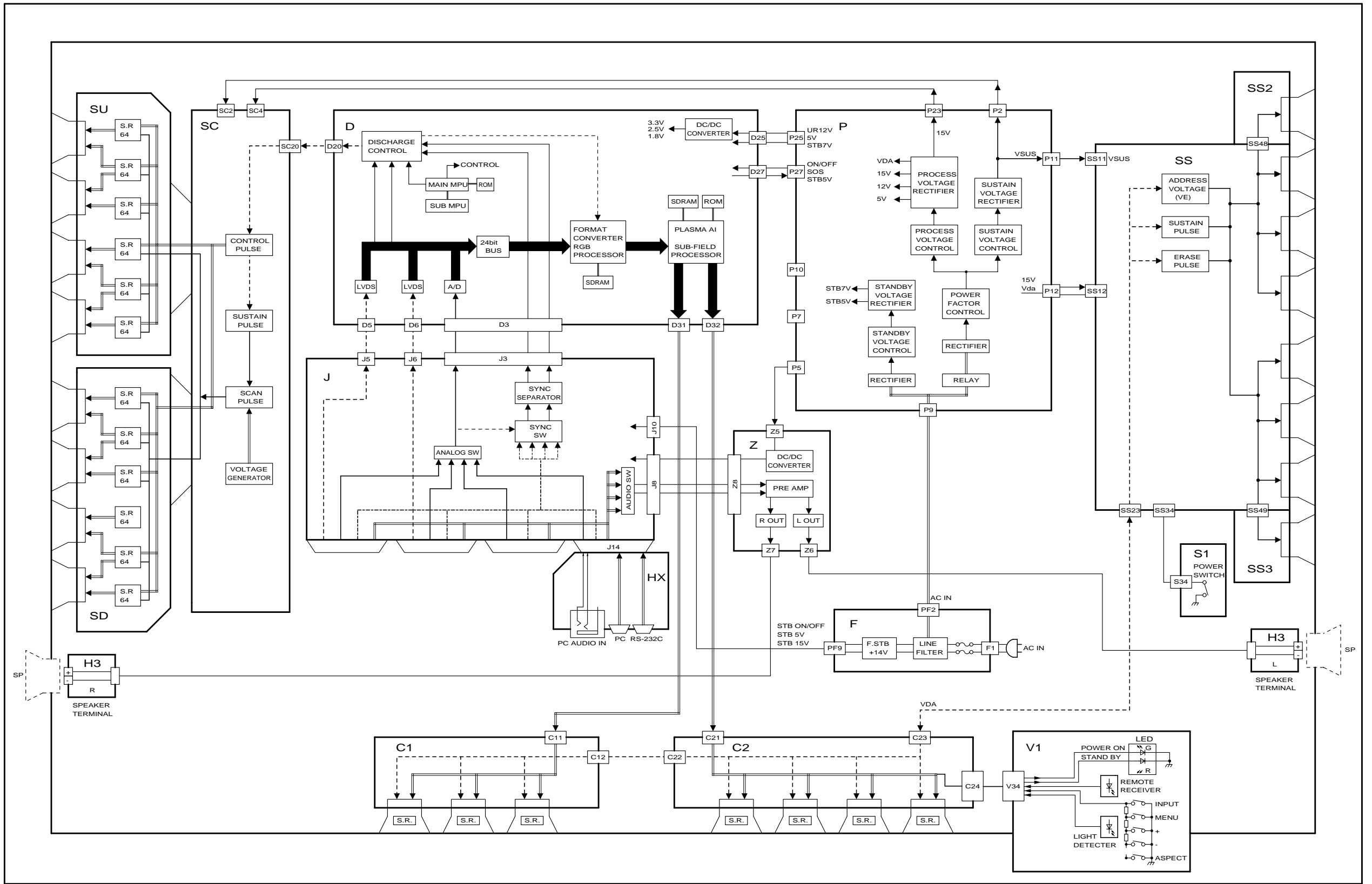
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TH-42PW6/TH-42PWD6
Main Block Diagram

TH-42PW6/TH-42PWD6
Main Block Diagram

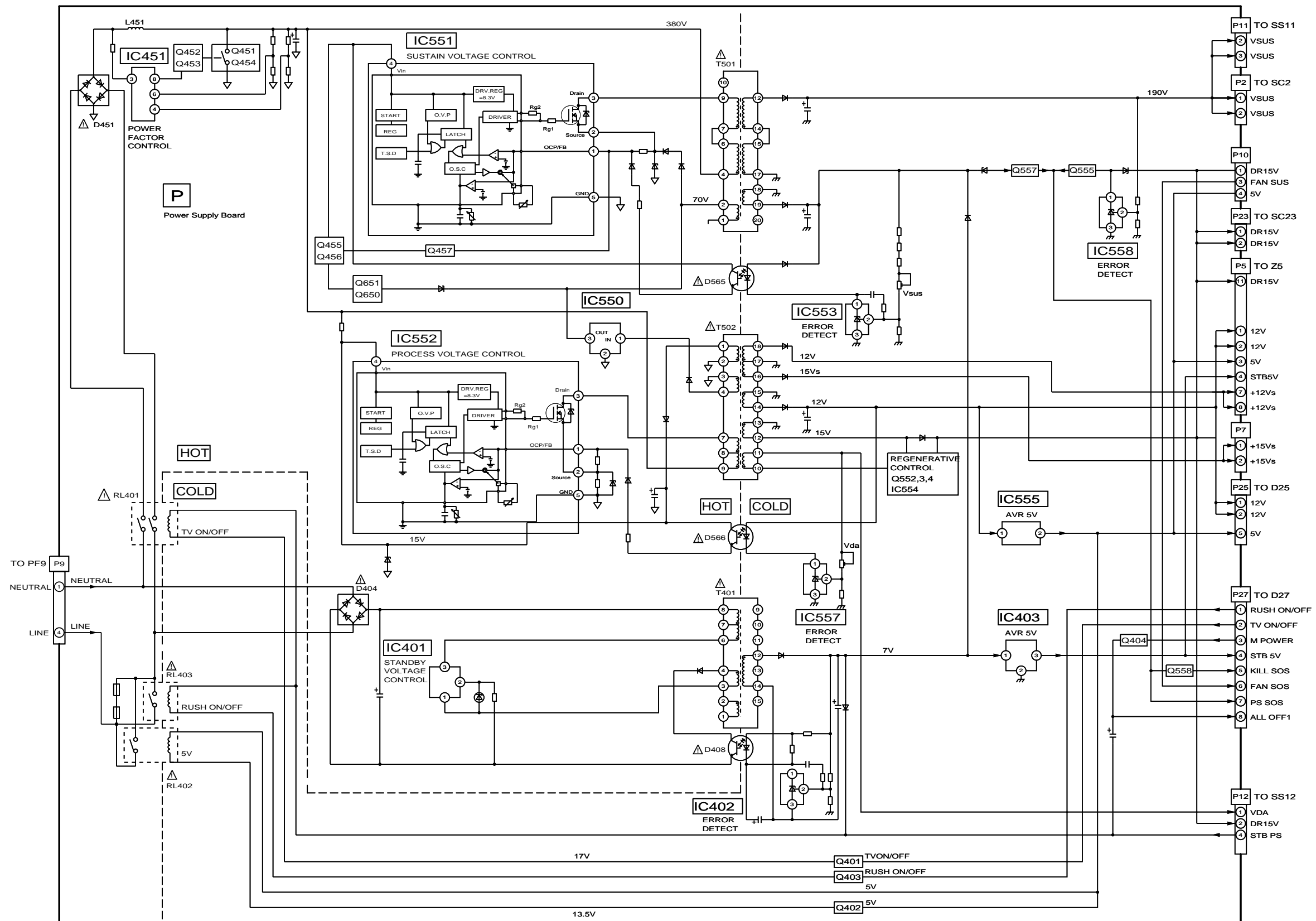
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TH-42PW6/TH-42PWD6
P-Board Block Diagram

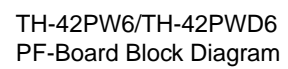
TH-42PW6/TH-42PWD6
P-Board Block Diagram

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TH-42PW6/TH-42PWD6 PF-Board Block Diagram

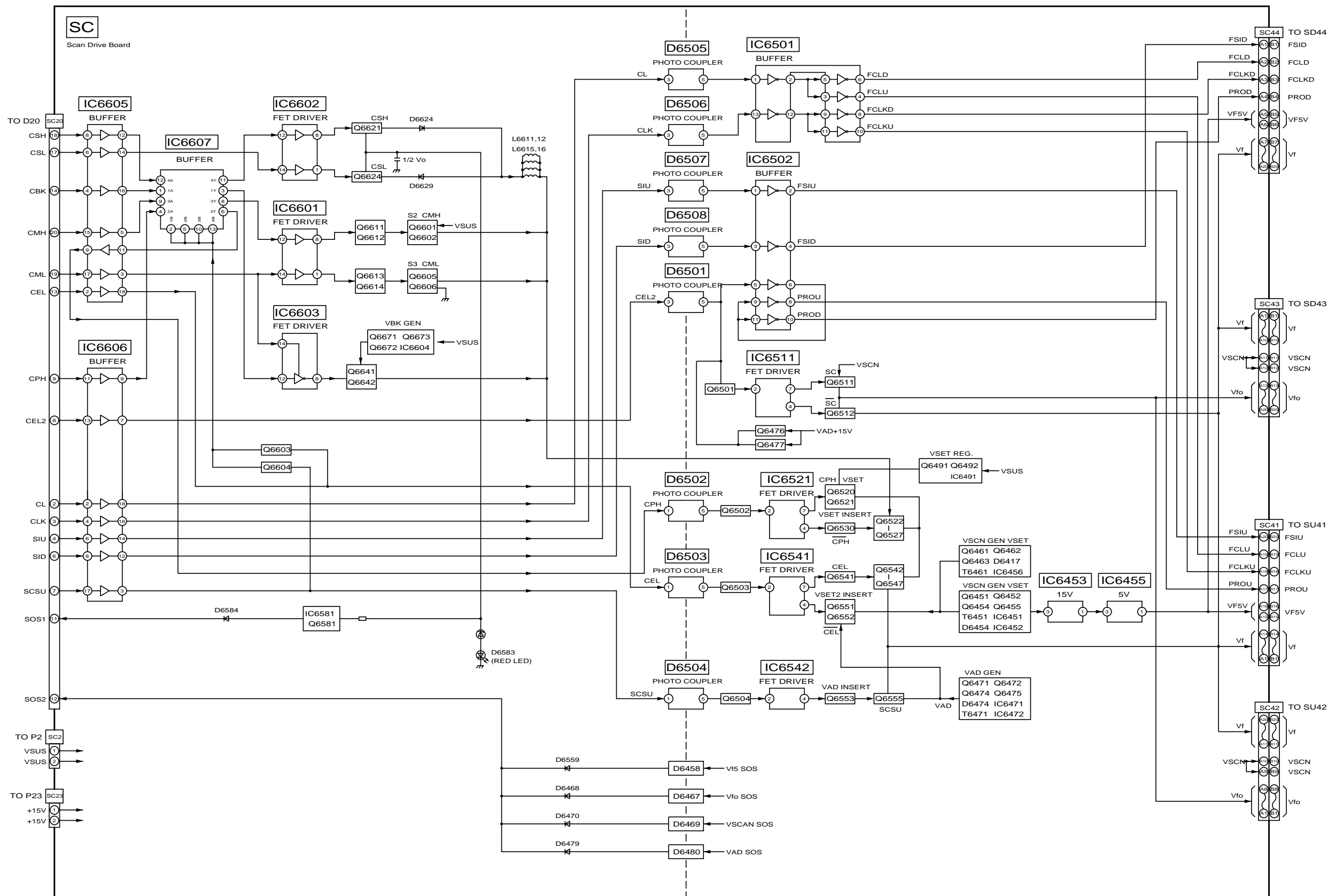
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TH-42PW6/TH-42PWD6
SC-Board Block Diagram

TH-42PW6/TH-42PWD6
SC-Board Block Diagram

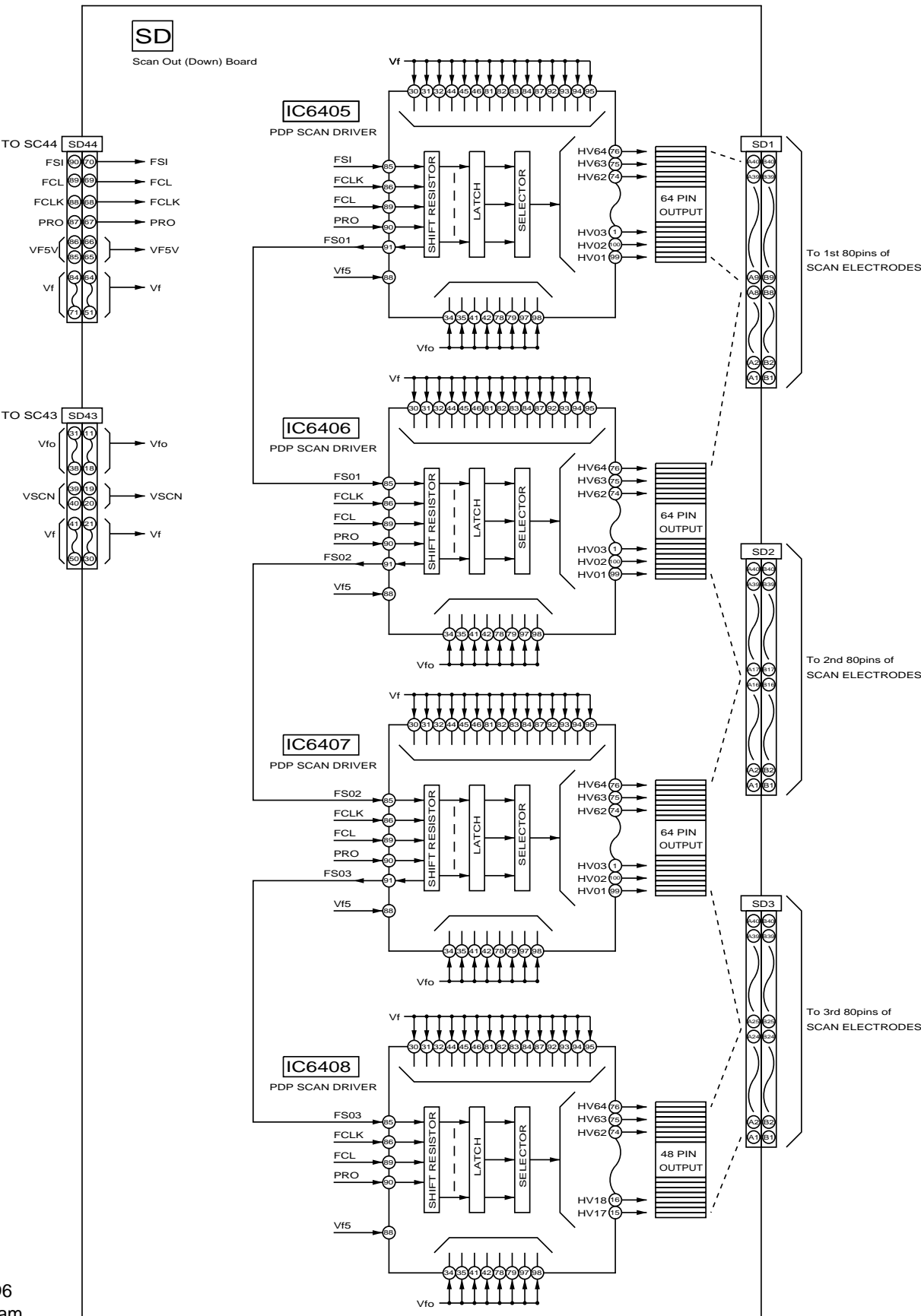
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TH-42PW6/TH42PWD6
SD-Board Block Diagram

TH-42PW6/TH42PWD6
SD-Board Block Diagram

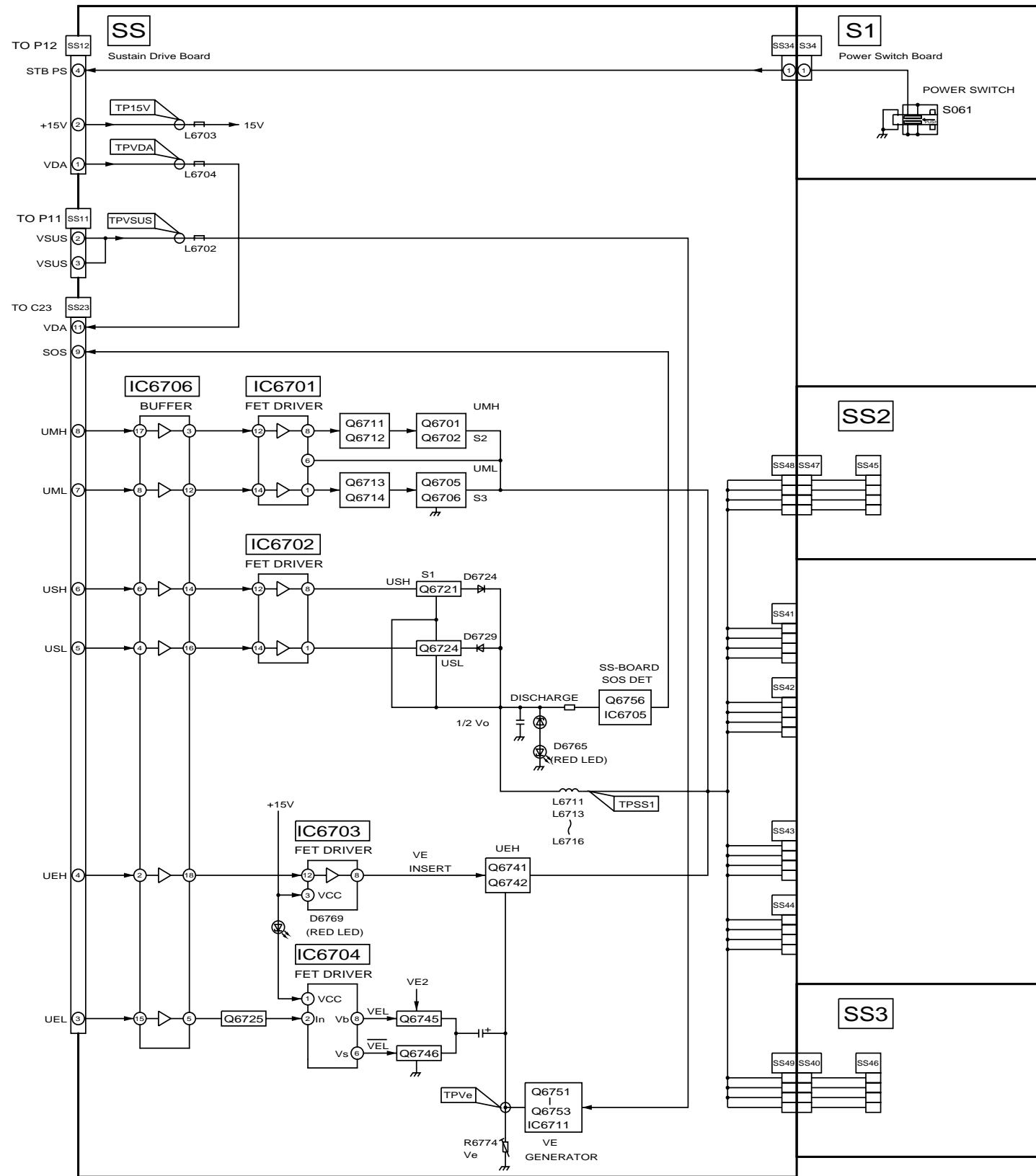
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TH-42PW6/TH-42PWD6
SS,S1,SS2 and SS3-Board Block Diagram

TH-42PW6/TH-42PWD6
SS,S1,SS2 and SS3-Board Block Diagram

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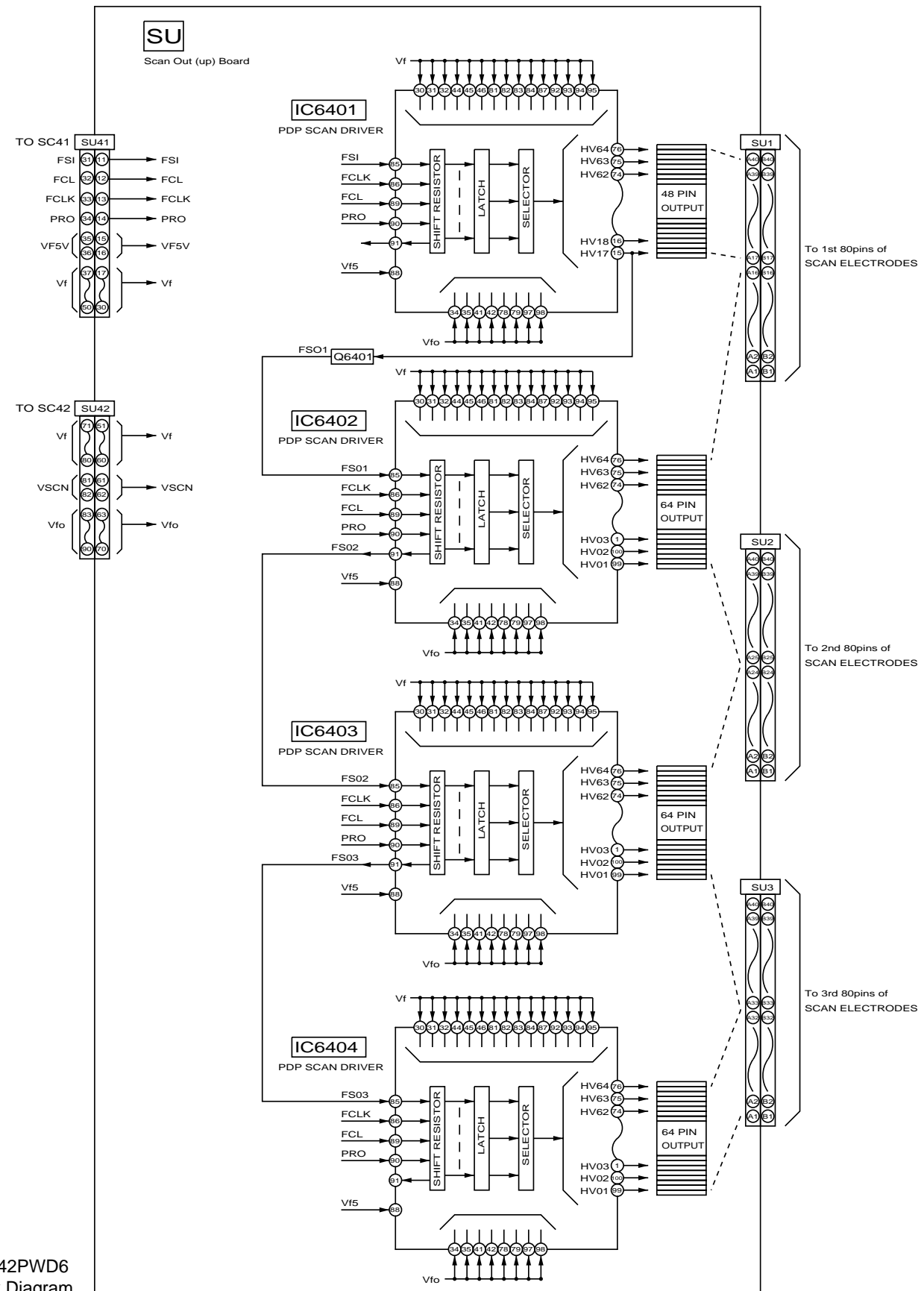
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TH-42PW6/TH-42PWD6
SU-Board Block Diagram

TH-42PW6/TH-42PWD6
SU-Board Block Diagram

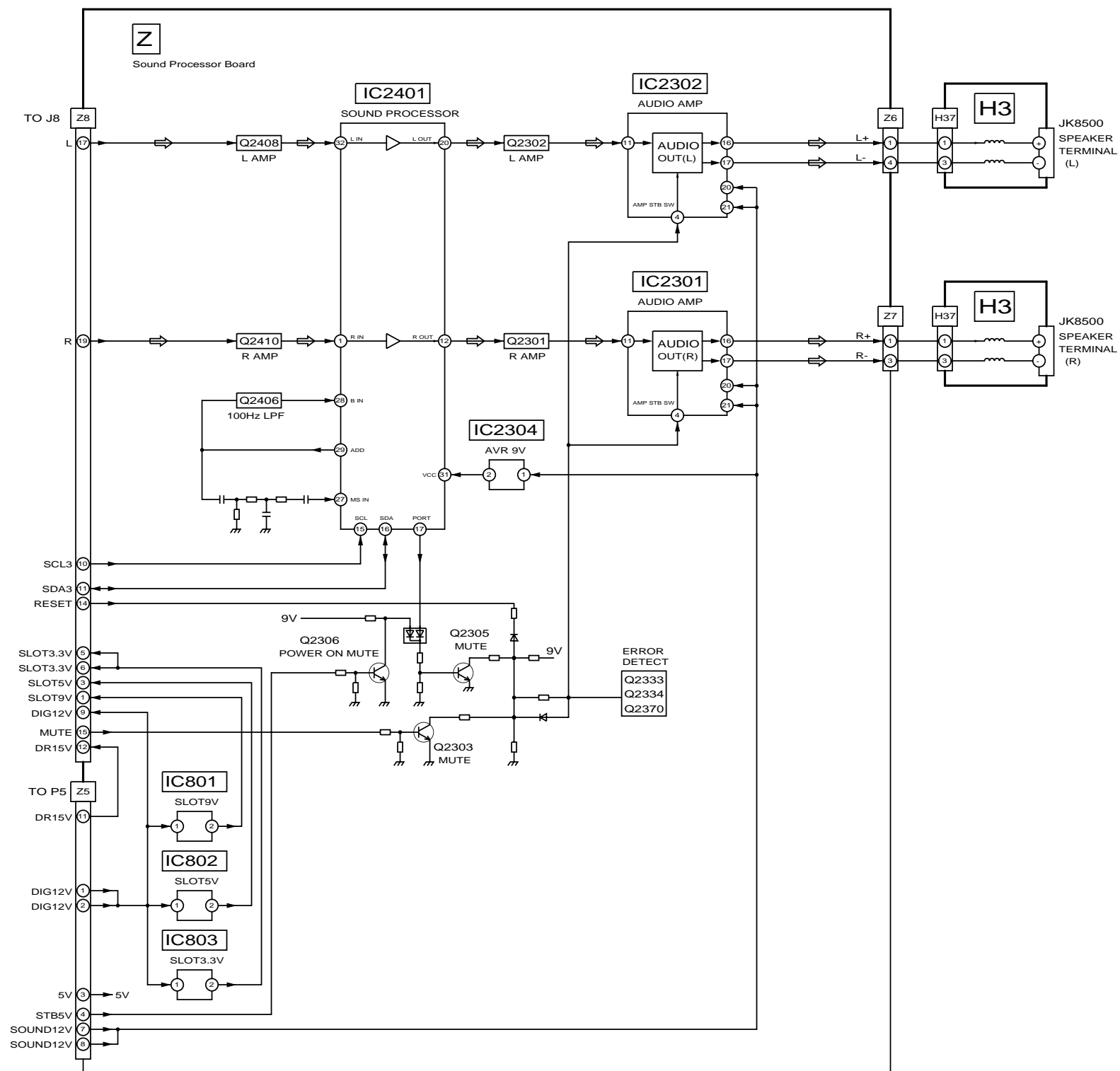
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TH-42PW6/TH-42PWD6
Z and H3-Board Block Diagram

TH-42PW6/TH-42PWD6
Z and H3-Board Block Diagram

The image shows a detailed PCB layout for the TNPA2869 module. The layout is rectangular with a width of 100mm and a height of 25mm. It features a central horizontal strip of components, including a large black component labeled TNPA2869, and various other components like resistors (R7105, R7165, R7164, R7163, R7162, R7166, R7167, R7168, R7169, R7170, R7171, R7172, R7173, R7174, R7175, R7176, R7177, R7178, R7179, R7180, R7181, R7182, R7183, R7184, R7185, R7186, R7187, R7188, R7189, R7190, R7191, R7192, R7193, R7194, R7195, R7196, R7197, R7198, R7199, R7200, R7201, R7202, R7203, R7204, R7205, R7206, R7207, R7208, R7209, R7210, R7211, R7212, R7213, R7214, R7215, R7216, R7217, R7218, R7219, R7220, R7221, R7222, R7223, R7224, R7225, R7226, R7227, R7228, R7229, R7230, R7231, R7232, R7233, R7234, R7235, R7236, R7237, R7238, R7239, R7240, R7241, R7242, R7243, R7244, R7245, R7246, R7247, R7248, R7249, R7250, R7251, R7252, R7253, R7254, R7255, R7256, R7257, R7258, R7259, R7260, R7261, R7262, R7263, R7264, R7265, R7266, R7267, R7268, R7269, R7270, R7271, R7272, R7273, R7274, R7275, R7276, R7277, R7278, R7279, R7280, R7281, R7282, R7283, R7284, R7285, R7286, R7287, R7288, R7289, R7290, R7291, R7292, R7293, R7294, R7295, R7296, R7297, R7298, R7299, R7300, R7301, R7302, R7303, R7304, R7305, R7306, R7307, R7308, R7309, R7310, R7311, R7312, R7313, R7314, R7315, R7316, R7317, R7318, R7319, R7320, R7321, R7322, R7323, R7324, R7325, R7326, R7327, R7328, R7329, R7330, R7331, R7332, R7333, R7334, R7335, R7336, R7337, R7338, R7339, R7340, R7341, R7342, R7343, R7344, R7345, R7346, R7347, R7348, R7349, R7350, R7351, R7352, R7353, R7354, R7355, R7356, R7357, R7358, R7359, R7360, R7361, R7362, R7363, R7364, R7365, R7366, R7367, R7368, R7369, R7370, R7371, R7372, R7373, R7374, R7375, R7376, R7377, R7378, R7379, R7380, R7381, R7382, R7383, R7384, R7385, R7386, R7387, R7388, R7389, R7390, R7391, R7392, R7393, R7394, R7395, R7396, R7397, R7398, R7399, R7400, R7401, R7402, R7403, R7404, R7405, R7406, R7407, R7408, R7409, R7410, R7411, R7412, R7413, R7414, R7415, R7416, R7417, R7418, R7419, R7420, R7421, R7422, R7423, R7424, R7425, R7426, R7427, R7428, R7429, R7430, R7431, R7432, R7433, R7434, R7435, R7436, R7437, R7438, R7439, R7440, R7441, R7442, R7443, R7444, R7445, R7446, R7447, R7448, R7449, R7450, R7451, R7452, R7453, R7454, R7455, R7456, R7457, R7458, R7459, R7460, R7461, R7462, R7463, R7464, R7465, R7466, R7467, R7468, R7469, R7470, R7471, R7472, R7473, R7474, R7475, R7476, R7477, R7478, R7479, R7480, R7481, R7482, R7483, R7484, R7485, R7486, R7487, R7488, R7489, R7490, R7491, R7492, R7493, R7494, R7495, R7496, R7497, R7498, R7499, R7500, R7501, R7502, R7503, R7504, R7505, R7506, R7507, R7508, R7509, R7510, R7511, R7512, R7513, R7514, R7515, R7516, R7517, R7518, R7519, R7520, R7521, R7522, R7523, R7524, R7525, R7526, R7527, R7528, R7529, R7530, R7531, R7532, R7533, R7534, R7535, R7536, R7537, R7538, R7539, R7540, R7541, R7542, R7543, R7544, R7545, R7546, R7547, R7548, R7549, R7550, R7551, R7552, R7553, R7554, R7555, R7556, R7557, R7558, R7559, R7560, R7561, R7562, R7563, R7564, R7565, R7566, R7567, R7568, R7569, R7570, R7571, R7572, R7573, R7574, R7575, R7576, R7577, R7578, R7579, R7580, R7581, R7582, R7583, R7584, R7585, R7586, R7587, R7588, R7589, R7590, R7591, R7592, R7593, R7594, R7595, R7596, R7597, R7598, R7599, R7600, R7601, R7602, R7603, R7604, R7605, R7606, R7607, R7608, R7609, R7610, R7611, R7612, R7613, R7614, R7615, R7616, R7617, R7618, R7619, R7620, R7621, R7622, R7623, R7624, R7625, R7626, R7627, R7628, R7629, R7630, R7631, R7632, R7633, R7634, R7635, R7636, R7637, R7638, R7639, R7640, R7641, R7642, R7643, R7644, R7645, R7646, R7647, R7648, R7649, R7650, R7651, R7652, R7653, R7654, R7655, R7656, R7657, R7658, R7659, R7660, R7661, R7662, R7663, R7664, R7665, R7666, R7667, R7668, R7669, R7670, R7671, R7672, R7673, R7674, R7675, R7676, R7677, R7678, R7679, R7680, R7681, R7682, R7683, R7684, R7685, R7686, R7687, R7688, R7689, R7690, R7691, R7692, R7693, R7694, R7695, R7696, R7697, R7698, R7699, R7700, R7701, R7702, R7703, R7704, R7705, R7706, R7707, R7708, R7709, R7710, R7711, R7712, R7713, R7714, R7715, R7716, R7717, R7718, R7719, R7720, R7721, R7722, R7723, R7724, R7725, R7726, R7727, R7728, R7729, R7730, R7731, R7732, R7733, R7734, R7735, R7736, R7737, R7738, R7739, R7740, R7741, R7742, R7743, R7744, R7745, R7746, R7747, R7748, R7749, R7750, R7751, R7752, R7753, R7754, R7755, R7756, R7757, R7758, R7759, R7760, R7761, R7762, R7763, R7764, R7765, R7766, R7767, R7768, R7769, R7770, R7771, R7772, R7773, R7774, R7775, R7776, R7777, R7778, R7779, R7780, R7781, R7782, R7783, R7784, R7785, R7786, R7787, R7788, R7789, R7790, R7791, R7792, R7793, R7794, R7795, R7796, R7797, R7798, R7799, R7800, R7801, R7802, R7803, R7804, R7805, R7806, R7807, R7808, R7809, R7810, R7811, R7812, R7813, R7814, R7815, R7816, R7817, R7818, R7819, R7820, R7821, R7822, R7823, R7824, R7825, R7826, R78

TH-42PW6/TH-42PWD6
C1-BOARD TNPA2869

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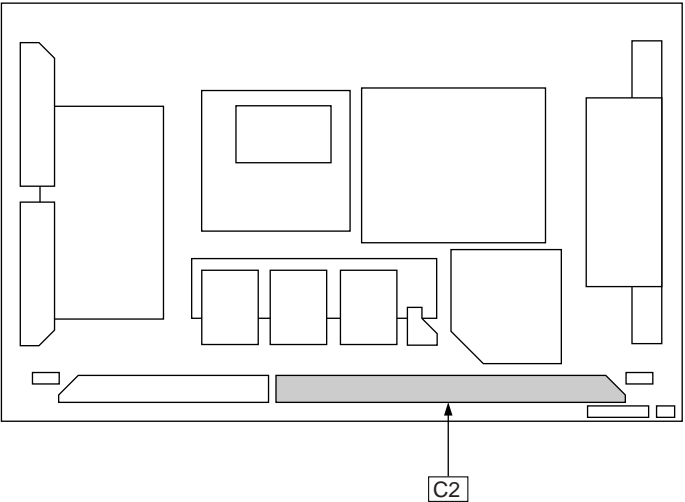
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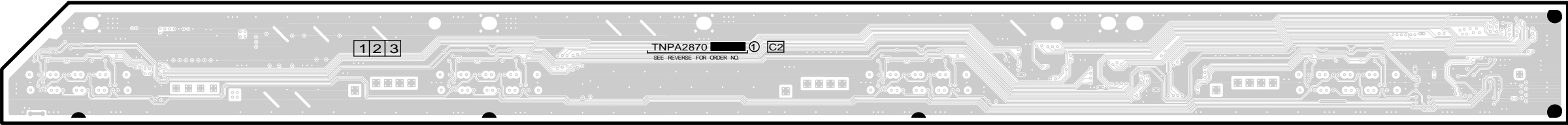
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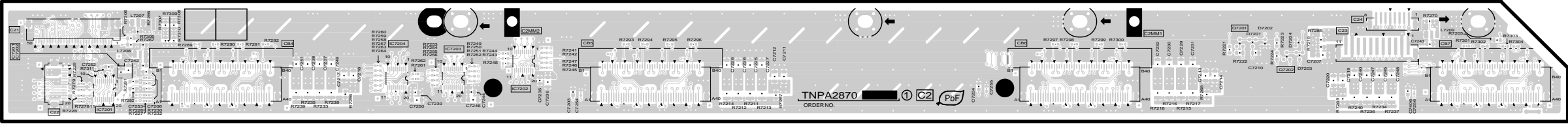
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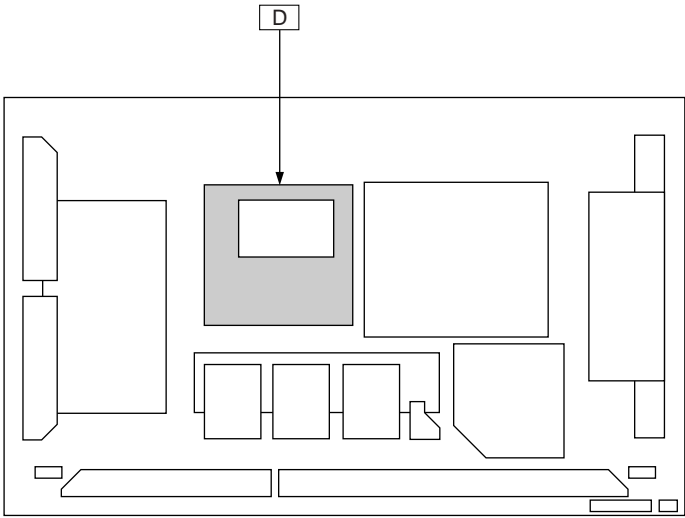
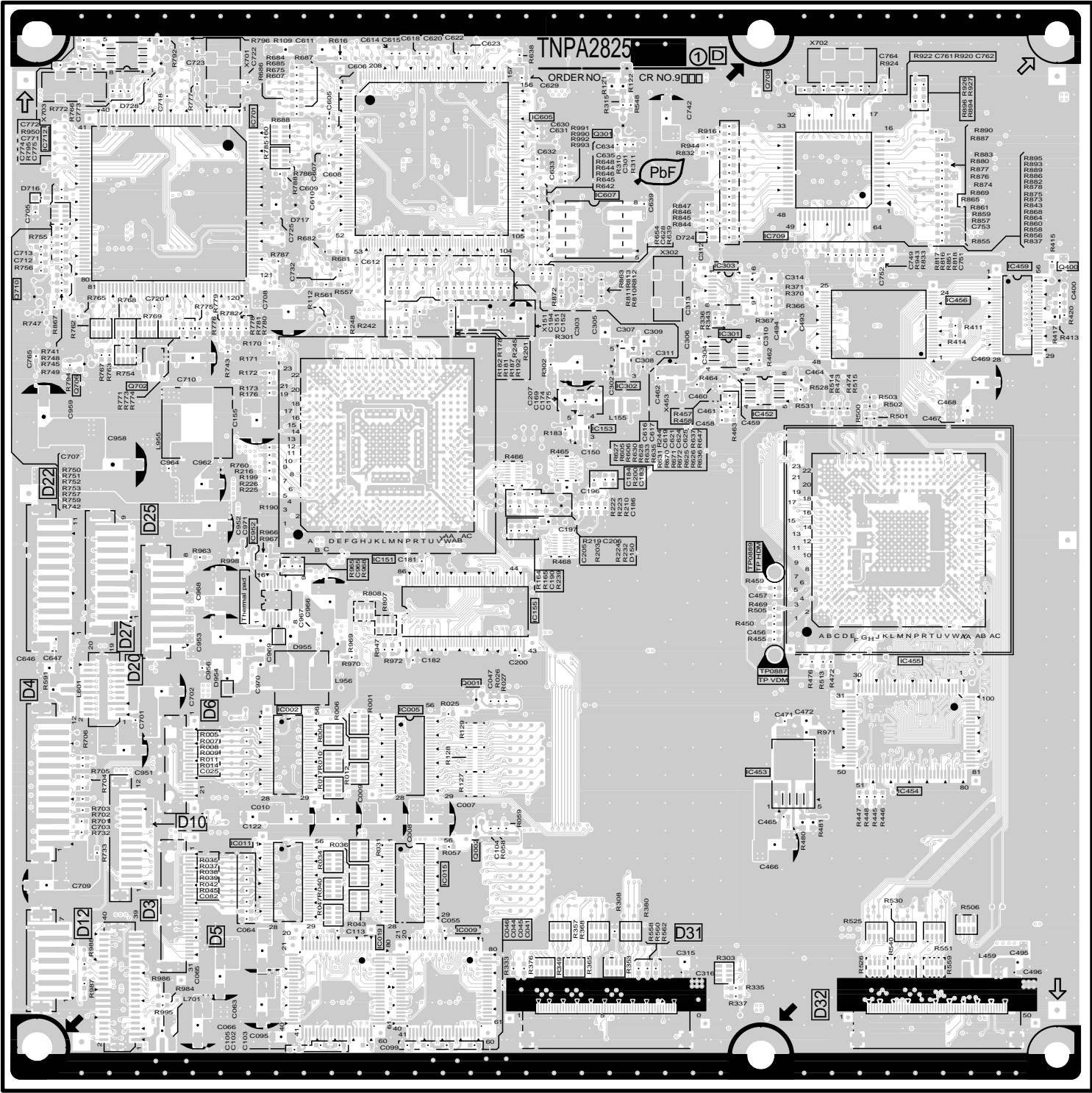
C2-BOARD(FOIL SIDE)
TNPA2870



C2-BOARD(COMPONENT SIDE)
TNPA2870



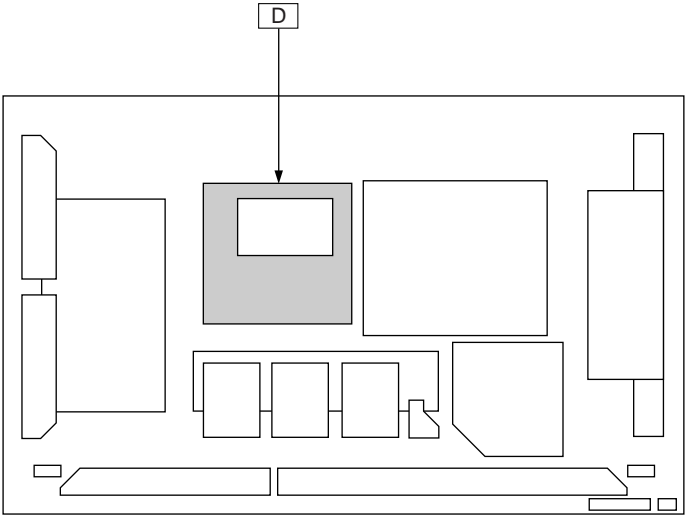
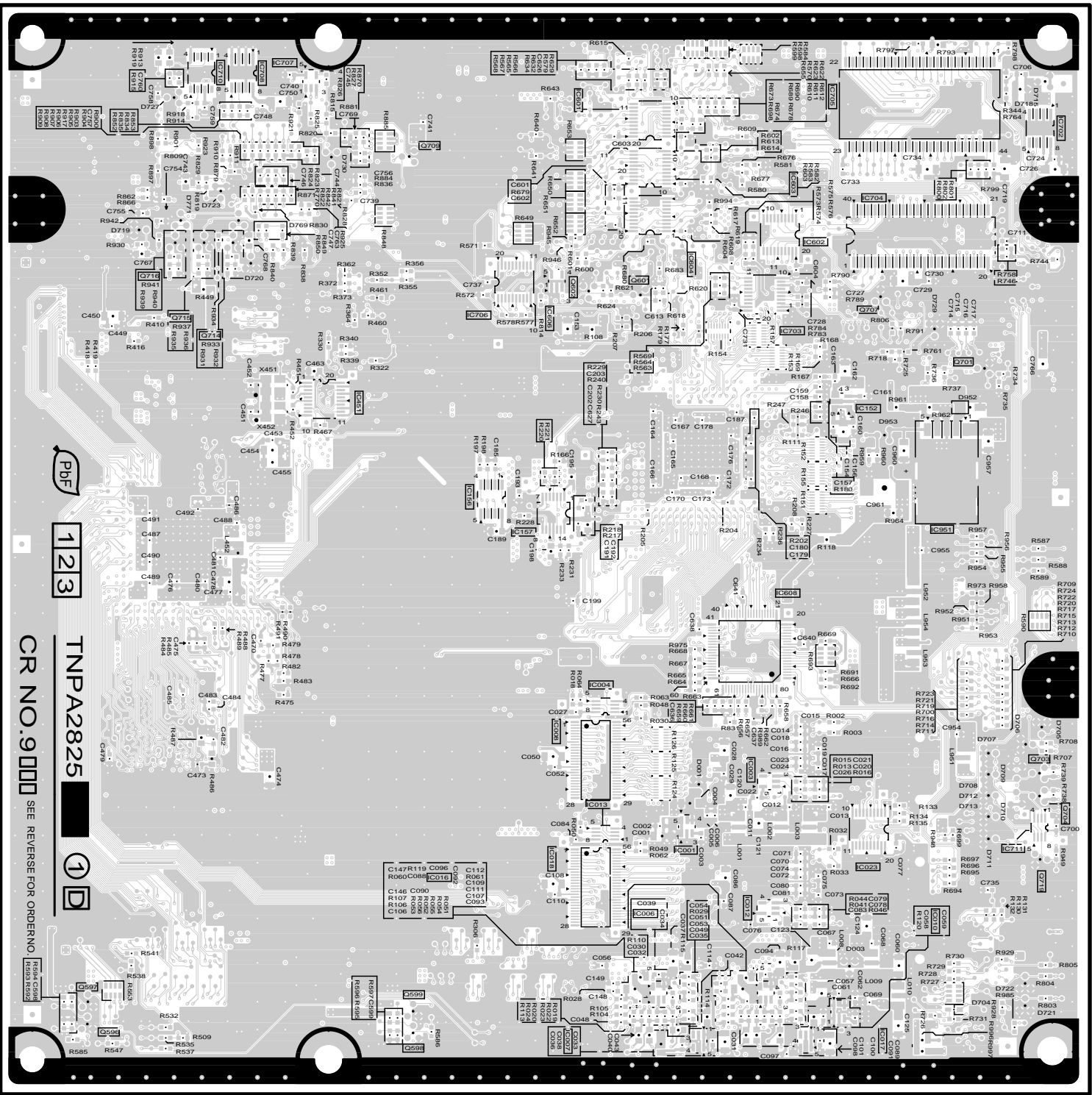
D-BOARD(COMPONENT SIDE)
TNPA2825



Parts Location

D-BOARD (COMPONENT SIDE)					
IC		TRANSISTOR		TP	
IC9002	B-3	Q9001	C-3	TP HDM	D-3
IC9005	C-3	Q9002	C-2	TP VDM	D-3
IC9009	C-2	Q9301	D-5	TP0887	D-3
IC9011	B-2	Q9400	F-5	TP0889	D-3
IC9015	C-2	Q9702	B-4		
IC9019	C-2	Q9706	A-4		
IC9151	C-4	Q9708	E-6		
IC9153	D-4	Q9710	A-5		
IC9155	C-3				
IC9301	D-4				
IC9302	D-4				
IC9303	D-5				
IC9452	D-4				
IC9453	E-2				
IC9454	E-3				
IC9455	E-3				
IC9456	E-5				
IC9459	F-5				
IC9605	C-5				
IC9607	D-5				
IC9701	B-5				
IC9709	E-5				
IC9712	B-6				
IC9952	B-3				

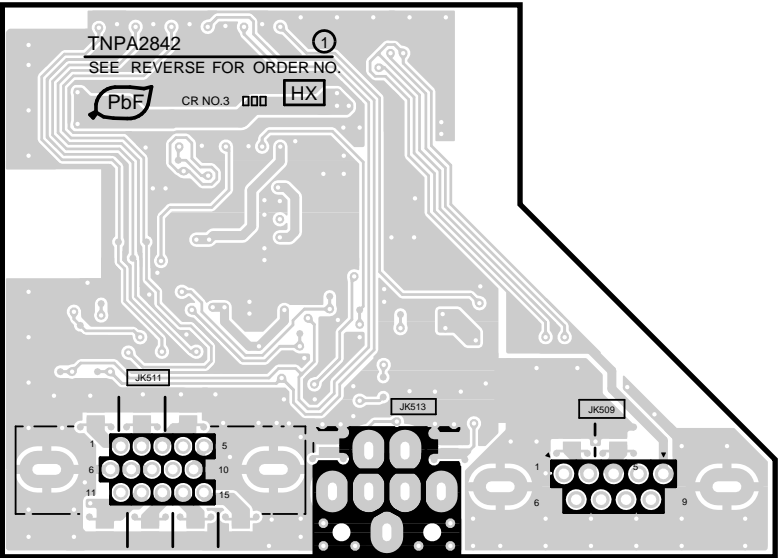
D-BOARD(FOIL SIDE)
TNPA2825



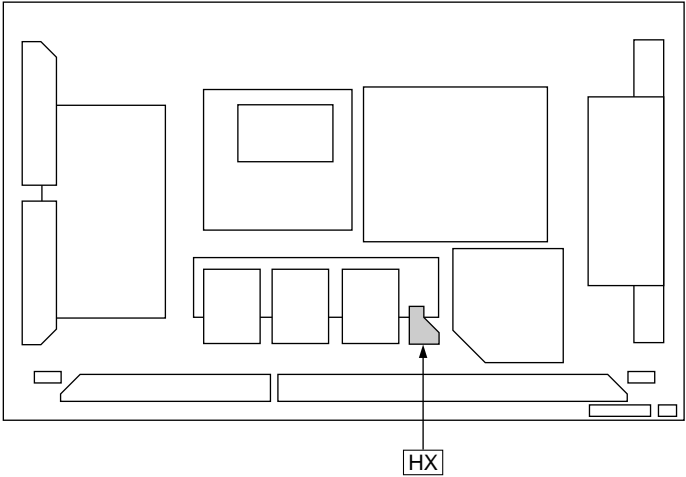
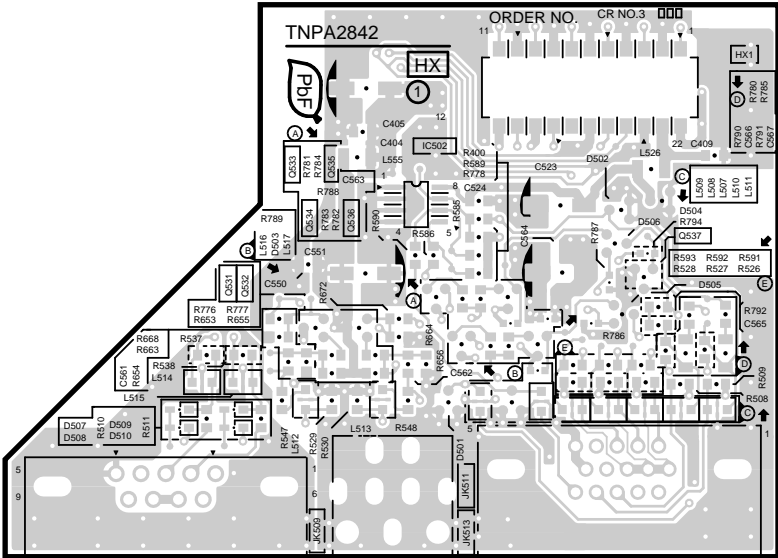
Parts Location

D-BOARD (FOIL SIDE)					
IC		D-5		TRANSISTOR	
IC9001	D-2	IC9603	D-5	Q9596	A-1
IC9003	D-3	IC9604	C-5	Q9597	A-2
IC9004	D-3	IC9606	D-3	Q9598	C-1
IC9006	D-2	IC9702	F-5	Q9599	C-1
IC9007	D-1	IC9703	D-4	Q9601	D-5
IC9008	D-3	IC9704	E-5	Q9602	D-5
IC9010	E-1	IC9705	E-6	Q9701	E-4
IC9012	D-2	IC9706	C-5	Q9703	F-3
IC9013	D-2	IC9707	B-6	Q9704	F-2
IC9016	C-2	IC9708	B-6	Q9707	E-5
IC9017	E-1	IC9710	B-6	Q9709	C-5
IC9018	D-2	IC9711	F-2	Q9714	B-4
IC9023	E-2	IC9951	E-4	Q9715	B-5
IC9152	E-4			Q9716	B-5
IC9156	C-4			Q9719	F-2
IC9157	C-4				
IC9451	B-4				
IC9601	D-5				
IC9602	D-5				

HX-BOARD(FOIL SIDE)
TXNHX10QBS



HX-BOARD(COMPONENT SIDE)
TXNHX10QBS



Parts Location

HX-BOARD			
IC		TRANSISTOR	
IC3502	E-4	Q3531	D-4
		Q3532	D-4
		Q3533	E-4
		Q3534	E-4
		Q3535	E-4
		Q3536	E-4
		Q3537	F-4



HY-BOARD (COMPONENT SIDE)			
IC		TRANSISTOR	
IC3101	D-4	Q3005	D-3
IC3102	E-3	Q3023	D-2
IC3103	E-3	Q3103	E-3
IC3104	D-3	Q3501	C-3
IC3301	F-3	Q3502	C-3
IC3302	D-4	Q3503	D-3
IC3303	G-4	Q3504	D-3
IC3305	F-3	Q3505	C-3
IC3401	E-2	Q3506	C-3
IC3503	C-5	Q3507	C-2
IC3505	B-3	Q3508	C-3
IC3506	B-3	TP	
IC3699	F-2		
		TS001	A-5
		TS002	B-5
		TS003	B-5
		TS004	B-6
		TS005	B-7
		TS100	G-4
		TS101	G-4
		TS102	G-4
		TS301	E-5
		TS302	E-5
		TS303	E-5



HY-BOARD (FOIL SIDE)			
IC		TRANSISTOR	
IC3105	B-3	Q3004	B-2
IC3201	A-3	Q3007	D-3
IC3251	B-4	Q3051	A-2
IC3311	A-3	Q3052	A-2
		Q3101	C-3
		Q3102	C-3
		Q3104	B-2
		Q3401	C-2
		Q3402	C-3
		Q3403	B-3

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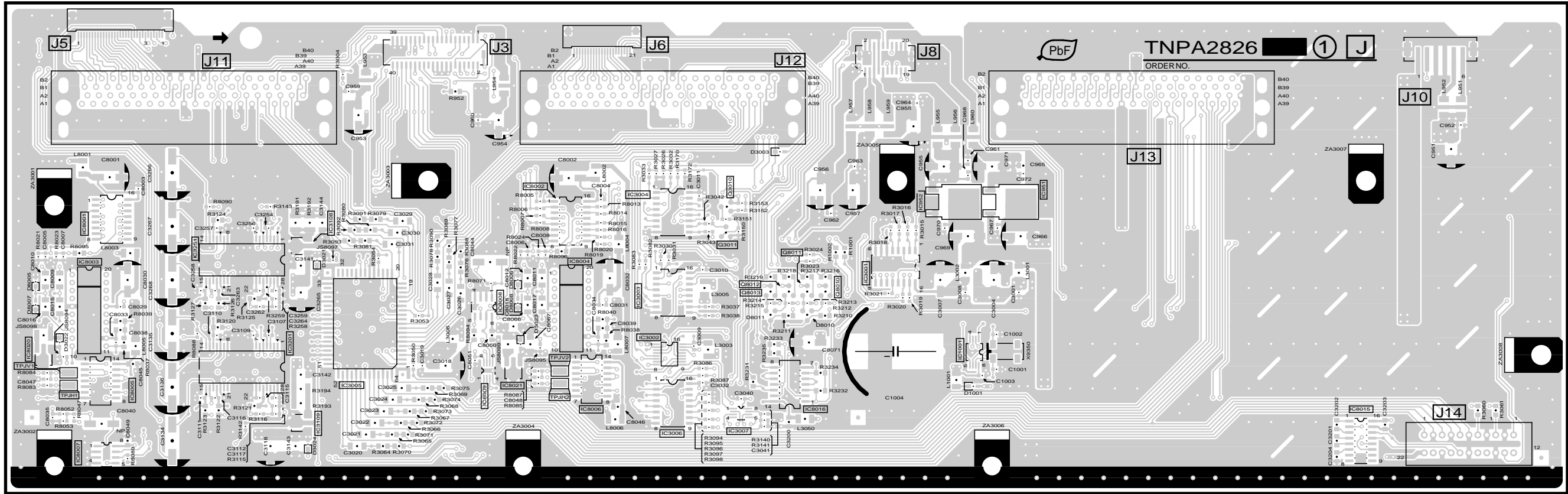
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J-BOARD(COMPONENT SIDE)
TNPA2826



Parts Location

J-BOARD (COMPONENT SIDE)			
IC		TRANSISTOR	
IC1001	F-2	Q3010	E-3
IC3001	F-2	Q3011	E-3
IC3002	D-2	Q8010	E-2
IC3003	D-2	Q8011	E-2
IC3004	D-3	Q8012	E-2
IC3005	C-2	Q8013	E-2
IC3006	D-2	TP	
IC3007	E-1		
IC3108	B-2		
IC3109	B-1		
IC3201	B-2		
IC3251	B-2		
IC8001	A-3		
IC8002	D-3		
IC8003	A-2		
IC8004	D-2		
IC8005	A-2		
IC8006	D-2		
IC8007	A-1		
IC8008	C-2		
IC8009	C-2		
IC8015	H-1		
IC8016	E-2		
IC8020	A-2		
IC8021	D-2		
IC951	F-3		
IC952	F-3		
		TPJH1	A-2
		TPJH2	D-2
		TPJV1	A-2
		TPJV2	D-2

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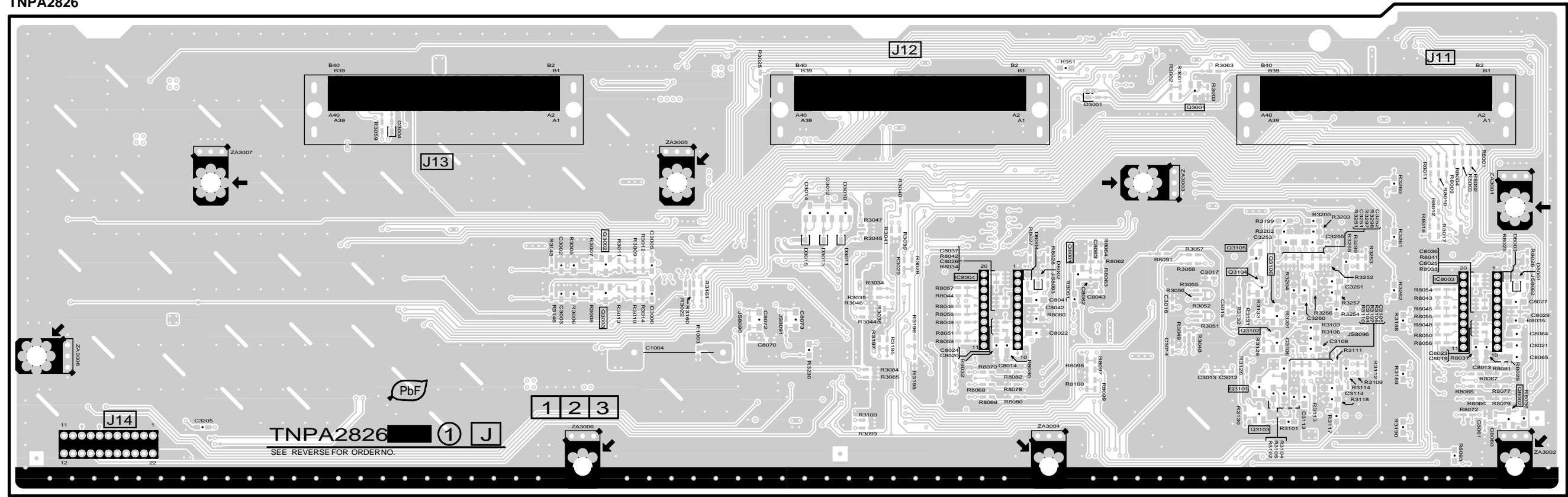
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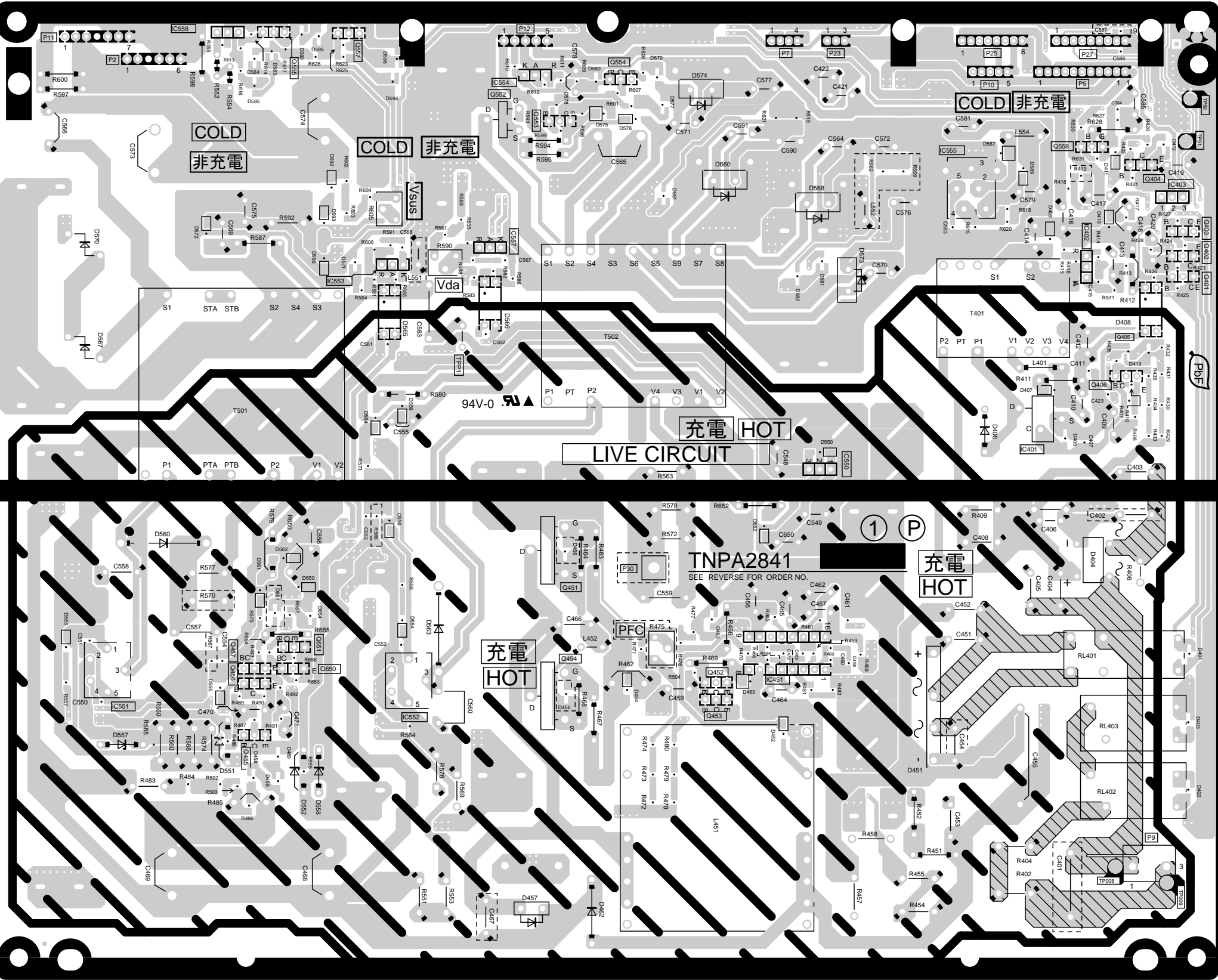
J-BOARD (FOIL SIDE)
TNPA2826

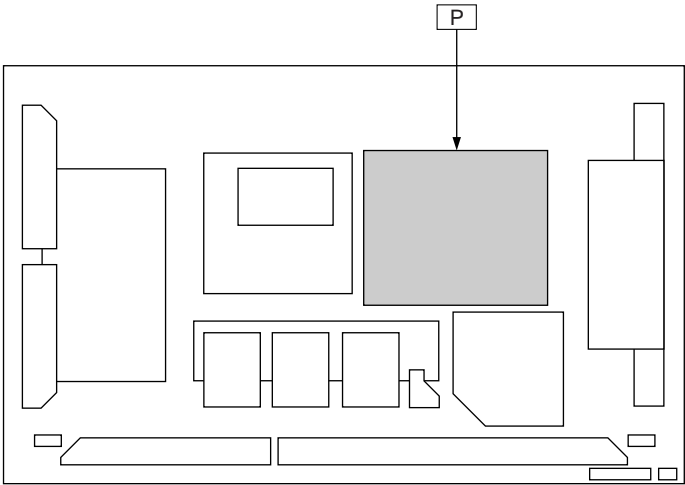


Parts Location

J-BOARD (FOIL SIDE)			
IC		TRANSISTOR	
IC8003 IC8004	I-2	Q3001	G-3
	F-2	Q3002	D-2
		Q3003	D-2
		Q3101	H-2
		Q3102	H-2
		Q3103	H-1
		Q3104	H-2
		Q3105	H-2
		Q3106	H-2
		Q8001	G-2
		Q8002	I-2

P-BOARD(FOIL SIDE)
TNPA2841





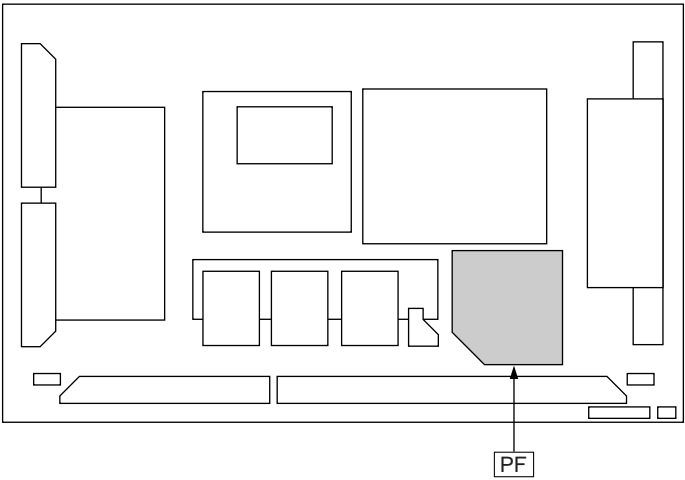
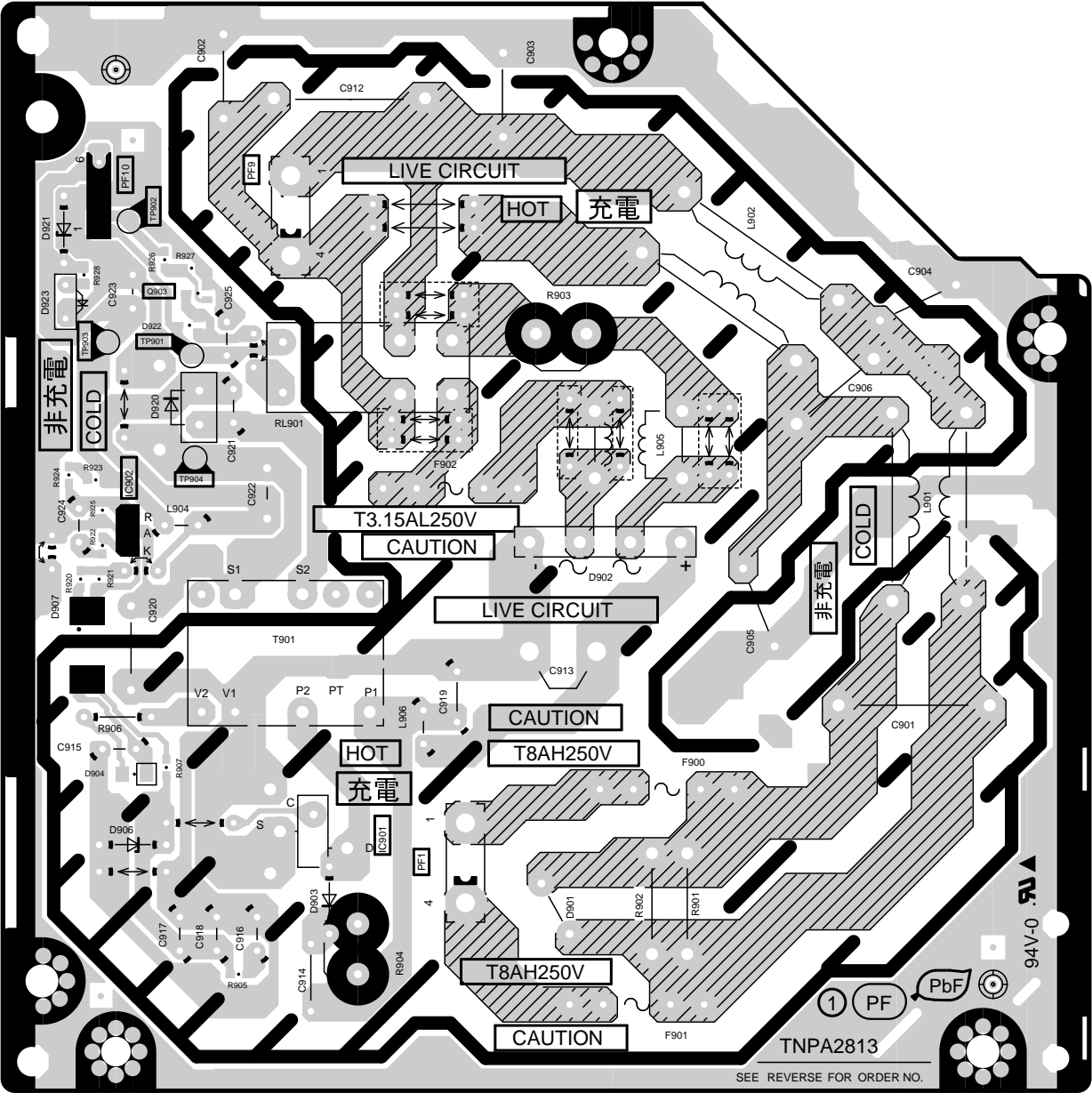
Parts Location

P-BOARD (FOIL SIDE)					
IC		TRANSISTOR		TP	
IC401	G-4	Q401	H-5	TP008	H-1
IC402	H-5	Q402	H-5	TP009	H-1
IC403	H-5	Q403	H-5	TP50	H-6
IC451	F-3	Q404	H-5	TP61	H-5
IC550	F-4	Q405	H-4	TPP1	D-4
IC551	B-3	Q406	H-4		
IC552	D-2	Q451	E-3		
IC553	D-5	Q452	F-2		
IC554	E-6	Q453	F-2		
IC555	G-5	Q454	E-2		
IC557	D-5	Q455	C-2		
IC558	C-6	Q456	C-3		
		Q457	C-3		
		Q552	D-6		
		Q553	E-6		
		Q554	E-6		
		Q555	C-6		
		Q557	D-6		
		Q558	H-5		
		Q650	C-3		
		Q651	C-3		

Parts Location

P-BOARD (COMPONENT SIDE)					
IC		TRANSISTOR		TP	
IC401	C-4	Q401	B-5	TPP1	F-4
IC402	B-5	Q402	B-5		
IC403	B-5	Q403	B-5		
IC451	D-3	Q404	B-5		
IC550	D-4	Q406	B-4		
IC551	H-3	Q451	E-3		
IC552	F-3	Q452	D-2		
IC553	F-5	Q453	D-2		
IC554	E-6	Q454	E-2		
IC555	C-5	Q455	G-2		
IC557	F-5	Q456	G-2		
IC558	G-6	Q457	G-3		
		Q552	F-6		
		Q553	E-6		
		Q554	E-6		
		Q555	G-6		
		Q557	G-6		
		Q558	B-5		
		Q650	G-2		
		Q651	G-3		

PF-BOARD
TXNPF10QBS



Parts Location

PF-BOARD			
IC		TP	
IC901	B-2	TP901	B-4
IC902	A-4	TP902	A-5
TRANSISTOR		TP903	A-4
		TP904	B-4
Q903	B-4		

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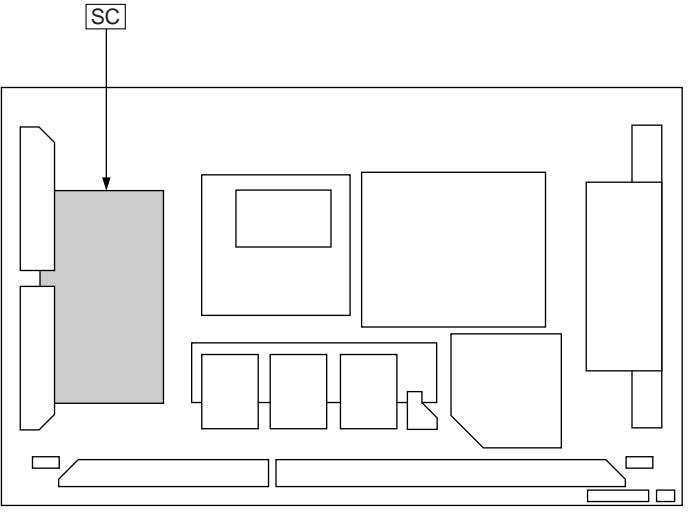
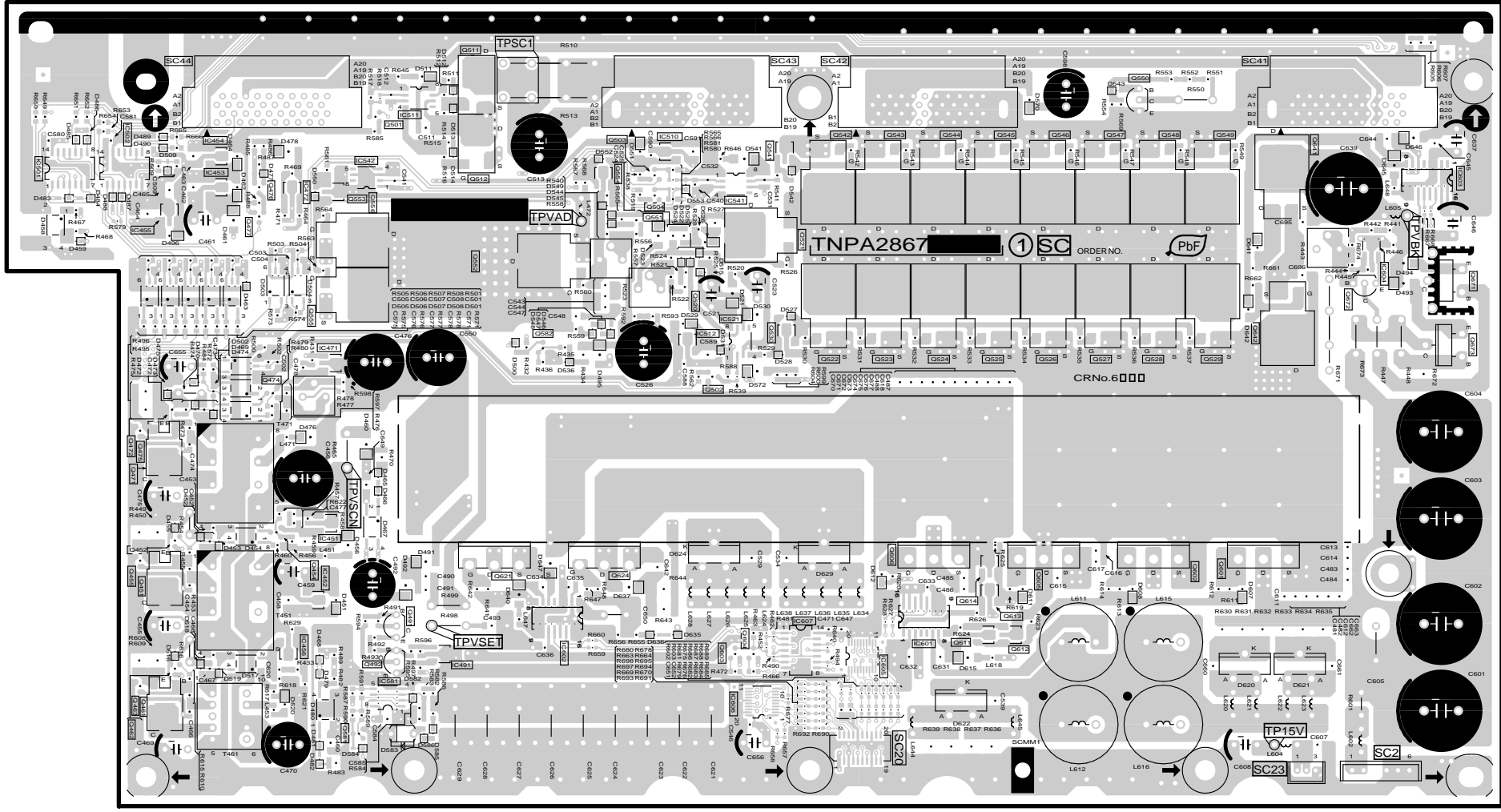
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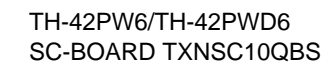
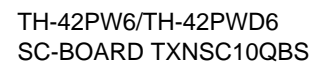
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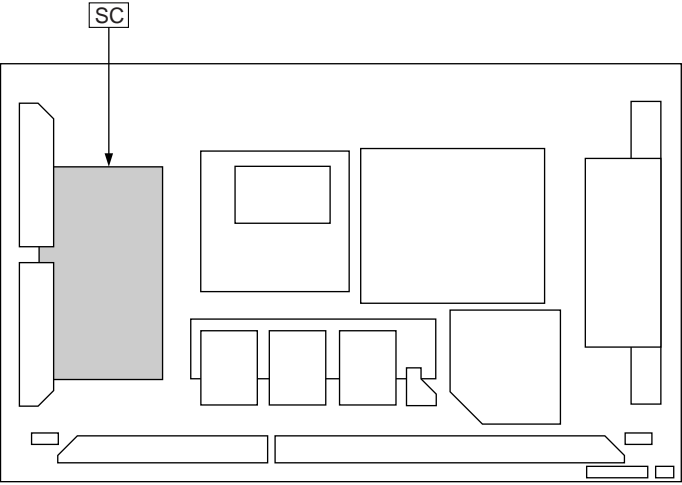
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SC-BOARD(COMPONENT SIDE)
TXNSC10QBS



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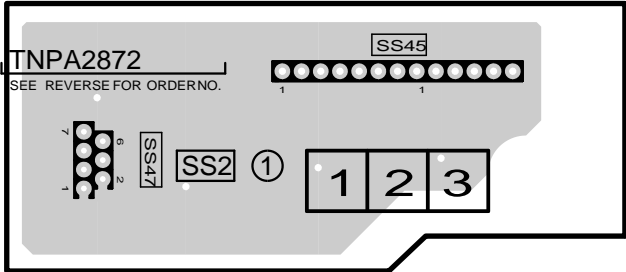
Parts Location

SC-BOARD (FOIL SIDE)					
TRANSISTOR		TP			
Q6491	E-3	TP1	A-2	TP38	D-2
Q6492	E-2	TP10	C-2	TP39	C-2
Q6550	B-5	TP11	C-2	TP4	A-2
Q6601	B-3	TP12	D-2	TP40	A-5
Q6602	B-3	TP13	D-2	TP41	A-5
Q6605	C-3	TP14	D-2	TP42	A-5
Q6606	C-3	TP15	D-2	TP43	A-5
Q6621	E-3	TP16	D-2	TP44	A-5
Q6624	E-3	TP17	D-2	TP45	A-5
Q6671	A-4	TP18	D-2	TP46	F-5
Q6672	A-4	TP19	D-2	TP47	F-5
Q6673	A-4	TP2	A-2	TP48	F-5
		TP20	D-2	TP49	F-5
		TP21	D-2	TP5	A-2
		TP22	D-2	TP50	F-5
		TP23	D-2	TP51	F-5
		TP24	D-2	TP52	D-2
		TP25	E-2	TP54	C-5
		TP26	C-2	TP55	B-5
		TP27	C-2	TP56	B-5
		TP28	C-2	TP57	B-5
		TP29	C-2	TP58	B-5
		TP30	C-2	TP59	E-5
		TP31	C-2	TP6	B-2
		TP32	C-2	TP60	E-5
		TP33	C-2	TP61	E-5
		TP34	B-2	TP62	E-5
		TP35	B-2	TP63	E-5
		TP36	A-4	TP7	B-2
		TP37	A-4	TP8	B-2
				TP9	B-2

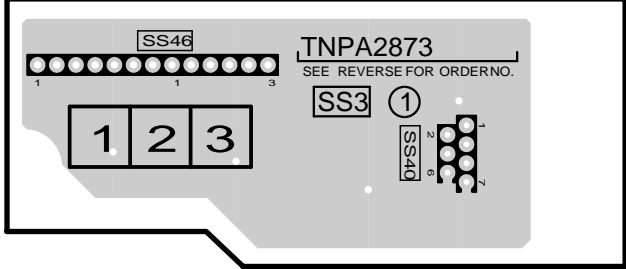
Parts Location

SC-BOARD (COMPONENT SIDE)							
IC		TRANSISTOR				TP	
IC6451	B-3	Q6451	A-3	Q6542	D-4	TP15V TPSC1 TPVAD TPVBK TPVSCN TPVSET	F-2 C-5 C-4 G-4 B-3 C-3
IC6452	B-3	Q6452	A-3	Q6543	D-4		
IC6453	B-4	Q6454	B-3	Q6544	E-4		
IC6454	B-5	Q6455	A-3	Q6545	E-4		
IC6455	A-4	Q6461	A-2	Q6546	E-4		
IC6456	B-2	Q6462	A-2	Q6547	E-4		
IC6471	B-4	Q6463	A-2	Q6548	F-5		
IC6472	B-4	Q6471	A-3	Q6549	F-5		
IC6491	C-2	Q6472	A-3	Q6550	F-6		
IC6501	A-4	Q6474	B-4	Q6551	D-4		
IC6502	A-4	Q6475	A-3	Q6552	C-4		
IC6510	D-5	Q6476	B-4	Q6553	B-4		
IC6511	C-5	Q6477	B-4	Q6554	C-4		
IC6512	D-4	Q6491	C-2	Q6555	B-4		
IC6521	D-4	Q6492	B-2	Q6556	B-4		
IC6541	D-4	Q6501	B-5	Q6581	B-2		
IC6542	B-4	Q6502	D-4	Q6582	C-4		
IC6581	B-2	Q6503	C-5	Q6601	F-3		
IC6601	E-3	Q6504	D-4	Q6602	F-3		
IC6602	C-3	Q6511	C-5	Q6603	D-2		
IC6603	G-4	Q6512	C-4	Q6604	D-2		
IC6604	G-4	Q6520	D-4	Q6605	D-2		
IC6605	E-3	Q6521	D-4	Q6606	E-3		
IC6606	E-3	Q6522	D-4	Q6611	E-2		
IC6607	D-3	Q6523	D-4	Q6612	E-2		
		Q6524	E-4	Q6613	E-3		
		Q6525	E-4	Q6614	E-3		
		Q6526	E-4	Q6621	C-3		
		Q6527	E-4	Q6624	C-3		
		Q6528	F-4	Q6641	F-5		
		Q6529	F-4	Q6642	F-4		
		Q6530	D-4	Q6671	G-4		
		Q6541	D-4	Q6672	F-4		
				Q6673	G-4		

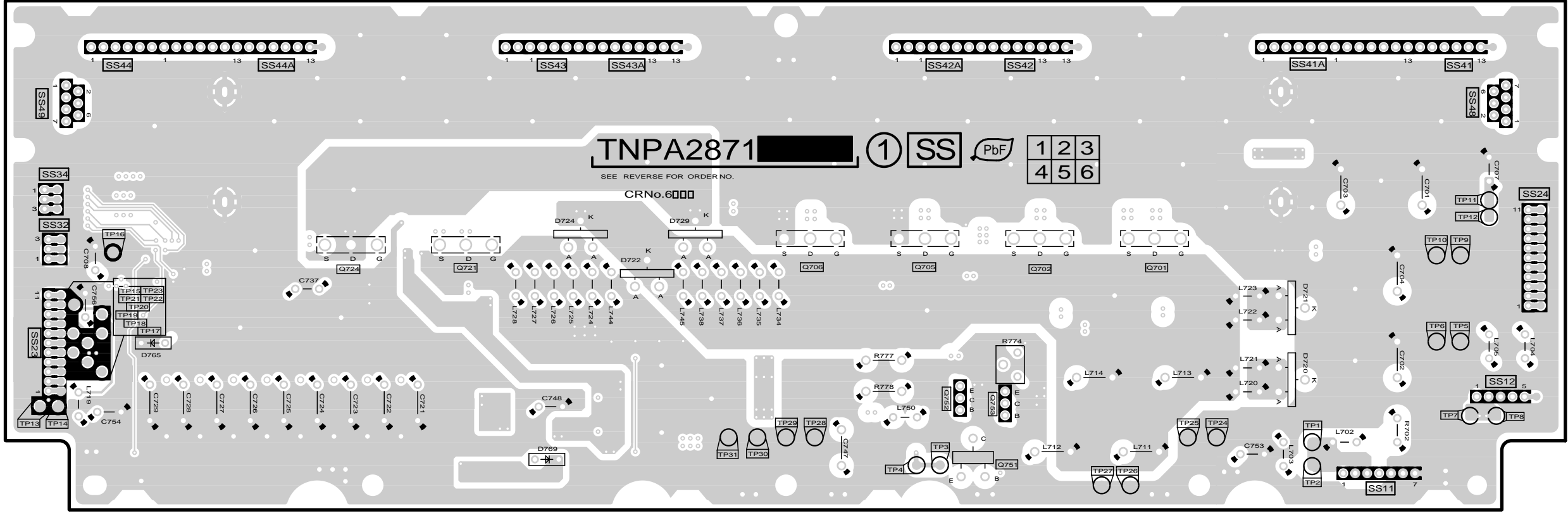
SS2-BOARD(FOIL SIDE)
TNPA2872



SS3-BOARD(FOIL SIDE)
TNPA2873



SS-BOARD(FOIL SIDE)
TXNSS10QBS



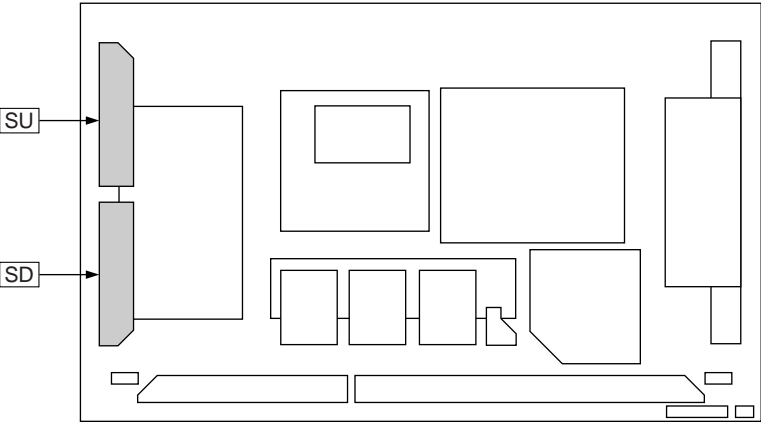
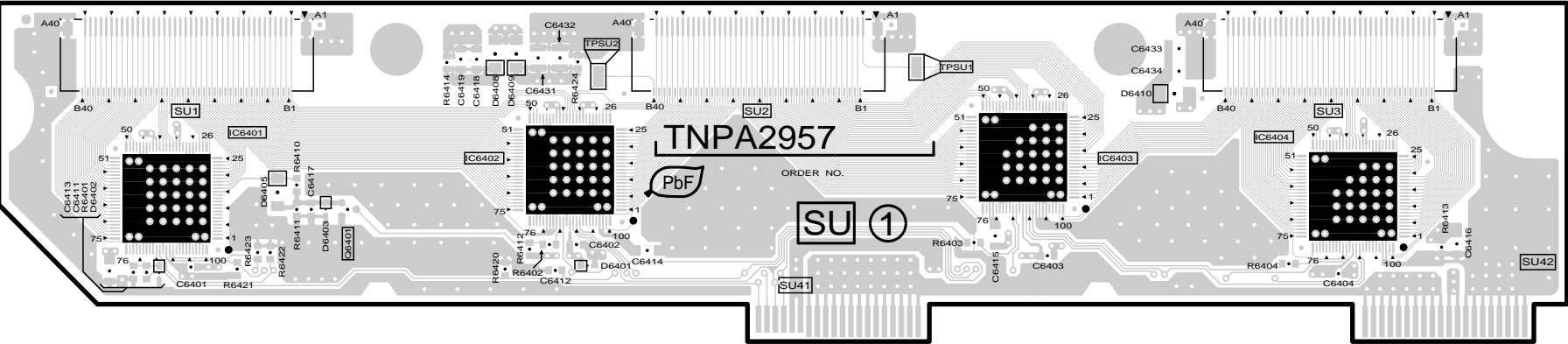
Parts Location

SS-BOARD (FOIL SIDE)					
TRANSISTOR		TP			
Q6701	G-2	TP1	H-1	TP23	A-2
Q6702	F-2	TP10	H-2	TP24	G-1
Q6705	F-2	TP11	H-3	TP25	G-1
Q6706	E-2	TP12	H-3	TP26	G-1
Q6721	C-2	TP13	A-2	TP27	G-1
Q6724	C-2	TP14	A-2	TP28	E-1
Q6751	F-1	TP15	A-2	TP29	E-1
Q6752	F-2	TP16	A-2	TP3	F-1
Q6753	F-2	TP17	A-2	TP30	E-1
		TP18	A-2	TP31	E-1
		TP19	A-2	TP4	F-1
		TP2	H-1	TP5	H-2
		TP20	A-2	TP6	H-2
		TP21	A-2	TP7	H-2
		TP22	A-2	TP8	I-2
				TP9	H-2

TH-42PW6/TH-42PWD6
SS-BOARD TXNSS10QBS
SS2-BOARD TNPA2872
SS3-BOARD TNPA2873

TH-42PW6/TH-42PWD6
SS-BOARD TXNSS10QBS
SS2-BOARD TNPA2872
SS3-BOARD TNPA2873

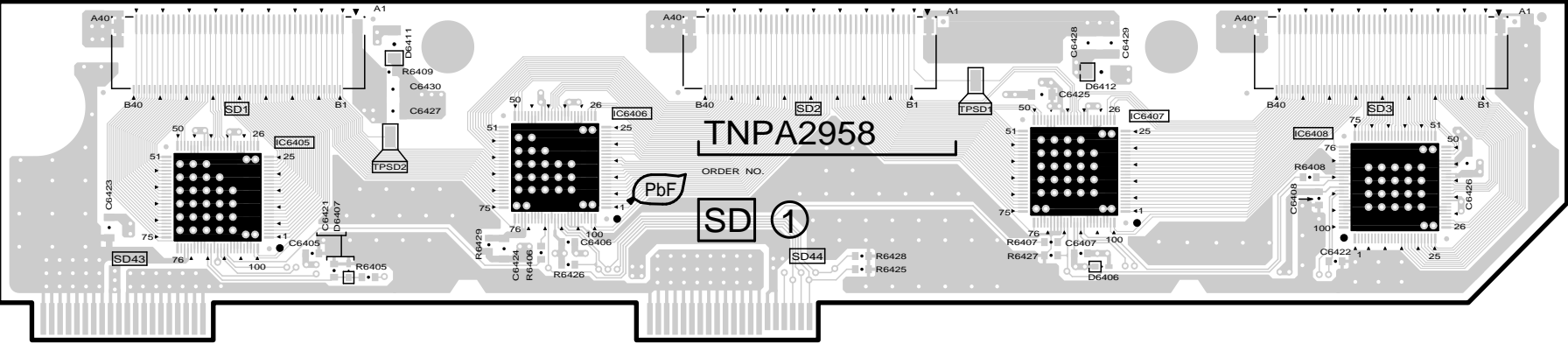
SU-BOARD
TNPA2957



Parts Location

SU-BOARD			
IC		TRANSISTOR	
IC6401	B-5	Q6401	B-4
IC6402	C-5	TP	
IC6403	E-5		
IC6404	F-5	TPSU1	D-5
		TPSU2	C-5

SD-BOARD
TNPA2958

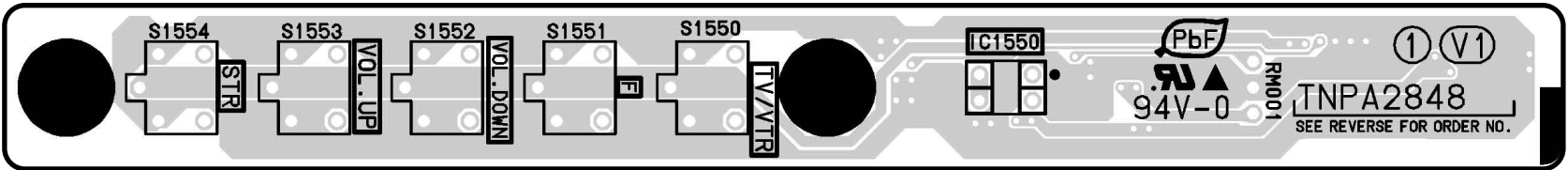


Parts Location

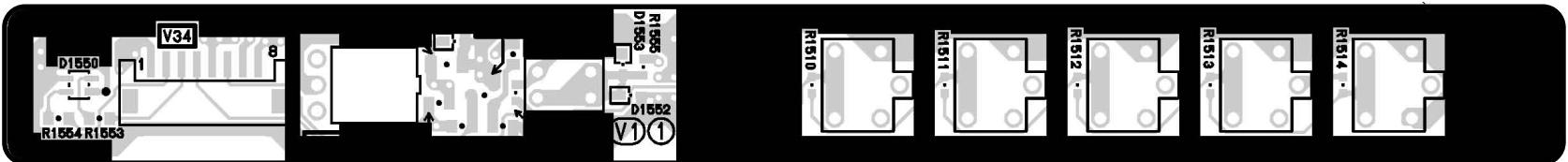
SD-BOARD			
IC		TP	
IC6405	B-2	TPSD1	D-2
IC6406	C-2	TPSD2	B-2
IC6407	E-2		
IC6408	F-2		

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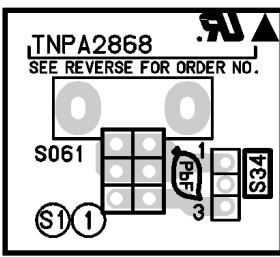
V1-BOARD(FOIL SIDE)
TXNV110QBS



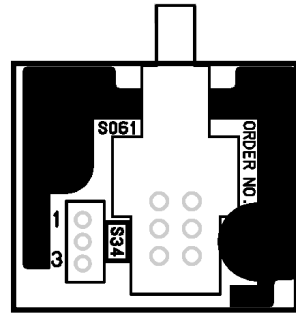
V1-BOARD(COMPONENT SIDE)
TXNV110QBS



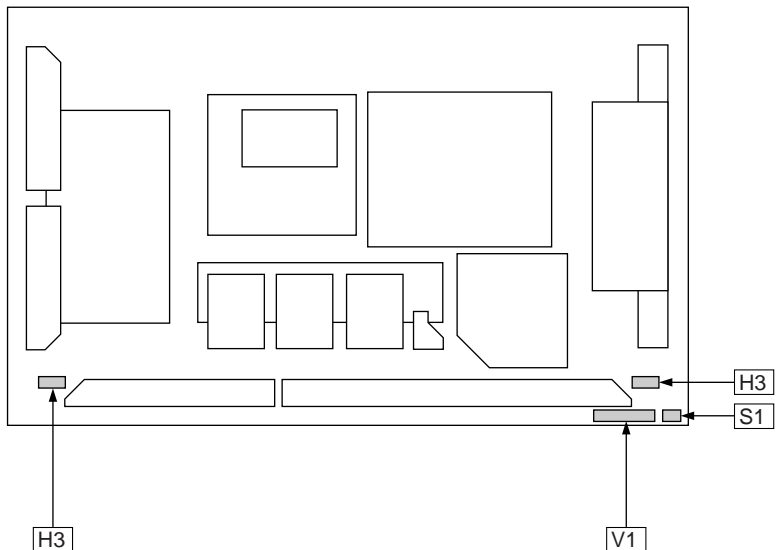
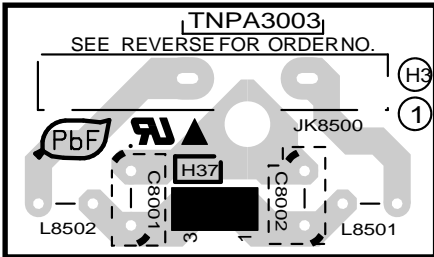
S1-BOARD(FOIL SIDE)
TNPA2868



S1-BOARD(COMPONENT SIDE)
TNPA2868



H3-BOARD
TNPA3003



TH-42PW6/TH-42PWD6
V1-BOARD TXNV110QBS
S1-BOARD TNPA2868
H3-BOARD TNPA3003

TH-42PW6/TH-42PWD6
V1-BOARD TXNV110QBS
S1-BOARD TNPA2868
H3-BOARD TNPA3003

A B C D E F G H I

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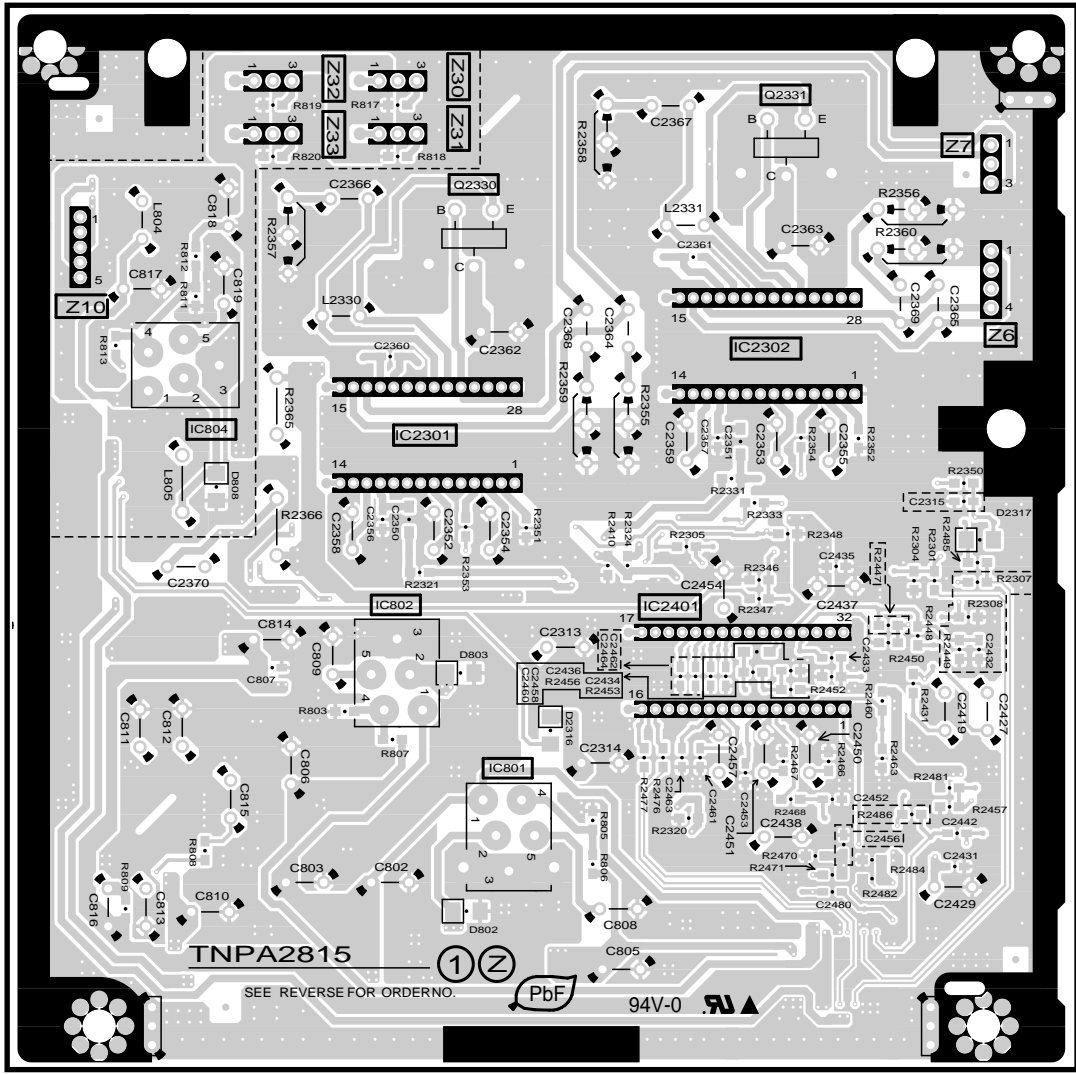
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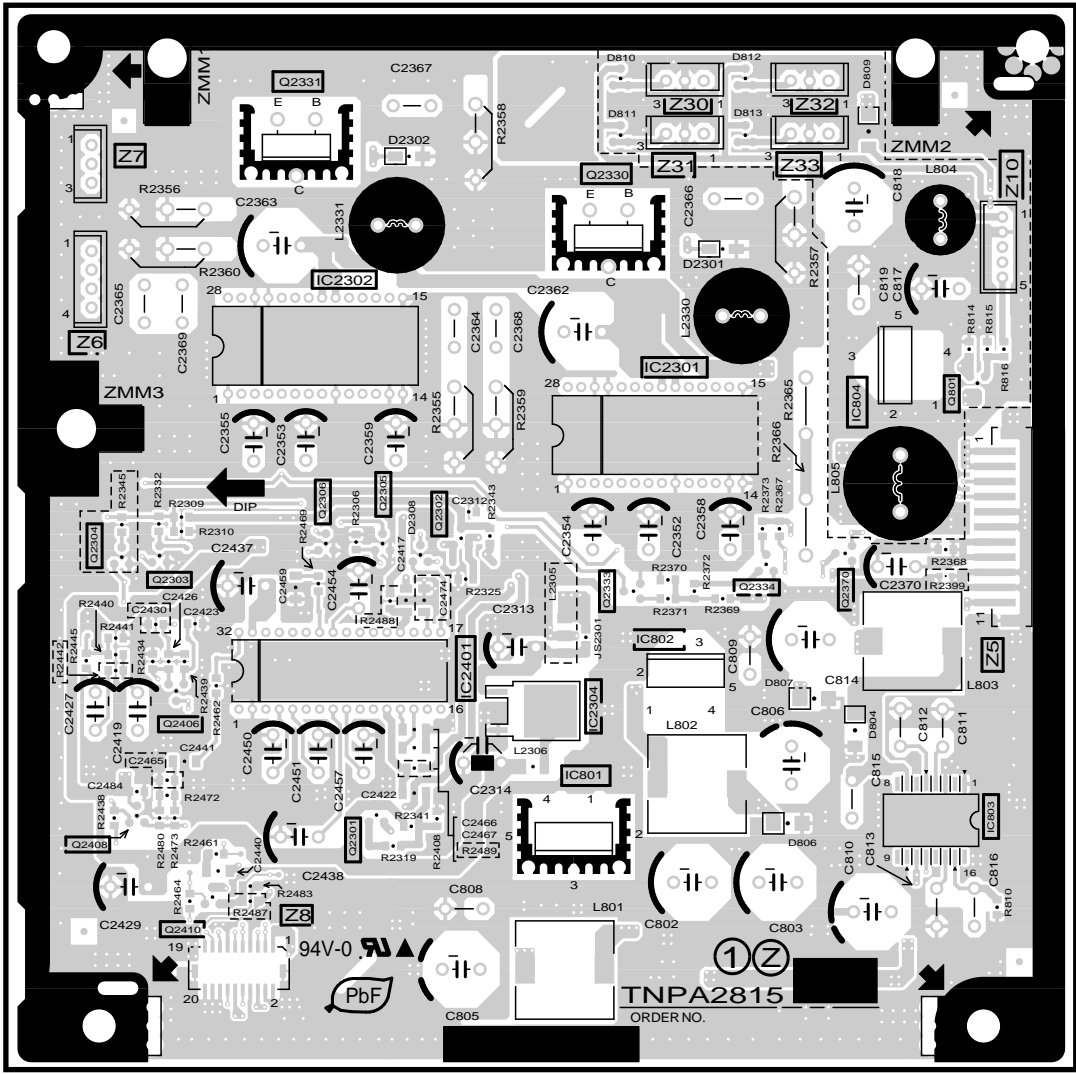
Z-BOARD(FOIL SIDE)
TNPA2815



Parts Location

Z-BOARD			
IC		TRANSISTOR	
IC2301	B-3	Q2301	F-2
IC2301	G-3	Q2302	F-3
IC2302	C-3	Q2303	F-3
IC2302	F-4	Q2304	E-3
IC2304	G-2	Q2305	F-3
IC2401	C-2	Q2306	F-3
IC2401	F-2	Q2330	B-4
IC801	B-2	Q2330	G-4
IC801	G-2	Q2331	C-4
IC802	B-2	Q2331	F-4
IC802	G-2	Q2333	G-3
IC803	H-2	Q2334	G-3
IC804	A-3	Q2370	H-3
IC804	H-3	Q2406	F-2
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		Q2410	F-2
		Q801	H-3

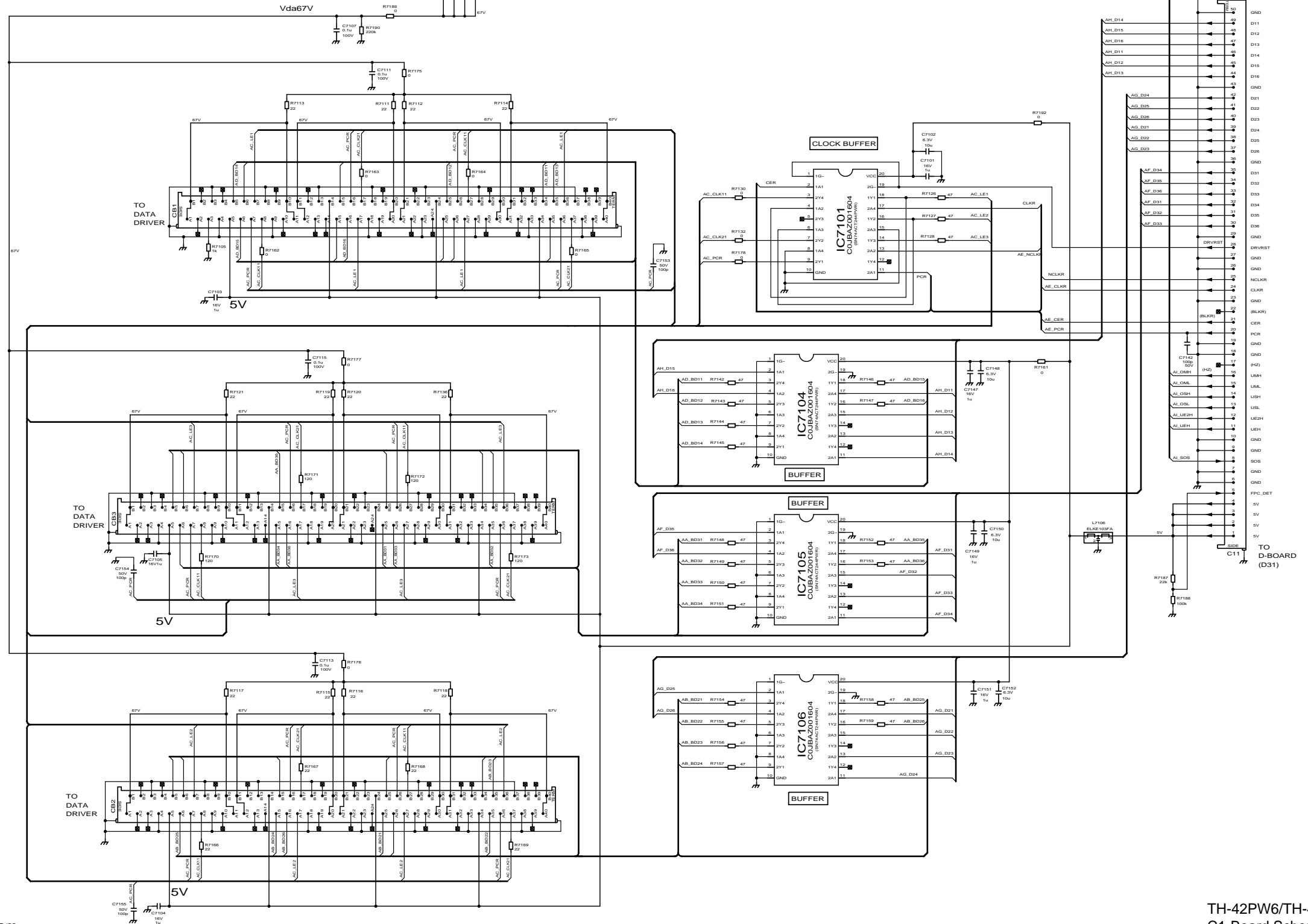
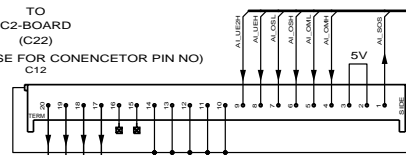
Z-BOARD(COMPONENT SIDE)
TNPA2815





C1-BOARD TNPA2869

TO
C2-BOARD
(C22)
(C2-BOARD REVERSE FOR CONENCTOR PIN NO)
C12



TH-42PW6/TH-42PWD6
C1-Board Schematic Diagram

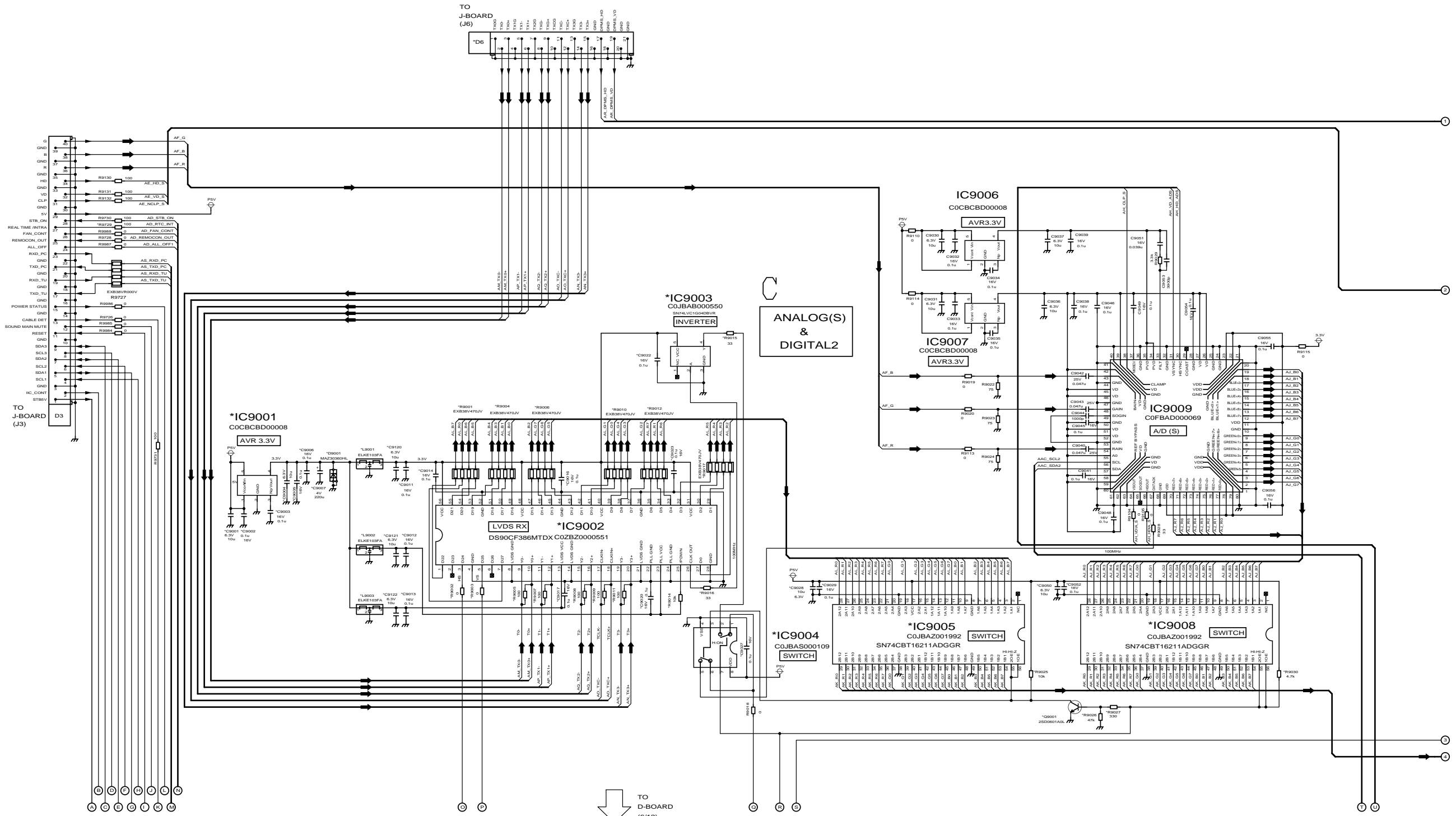
TH-42PW6/TH-42PWD6
C1-Board Schematic Diagram



TH-42PW6/TH-42PWD6 C2 and V1-Board Schematic Diagram

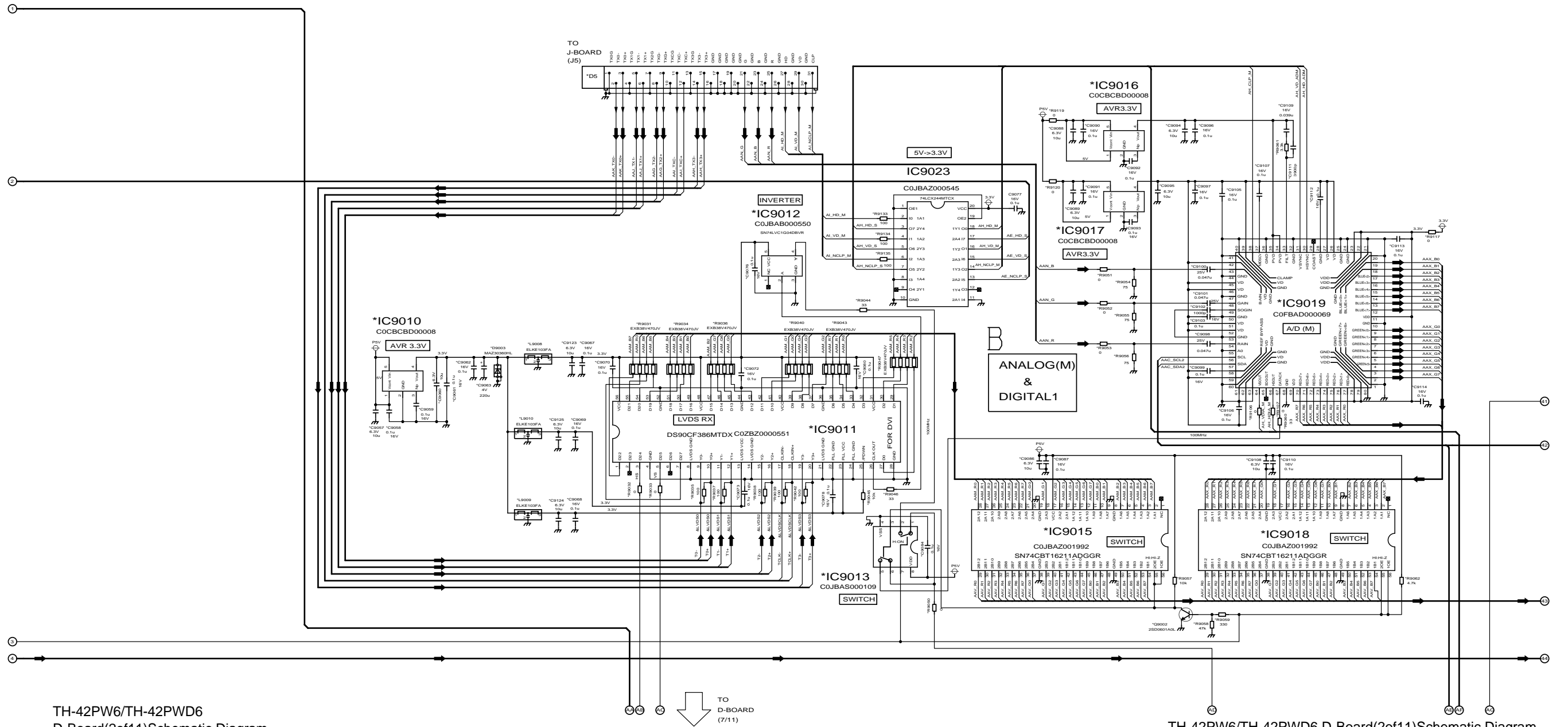


D-BOARD TNPA2825 (1/11)



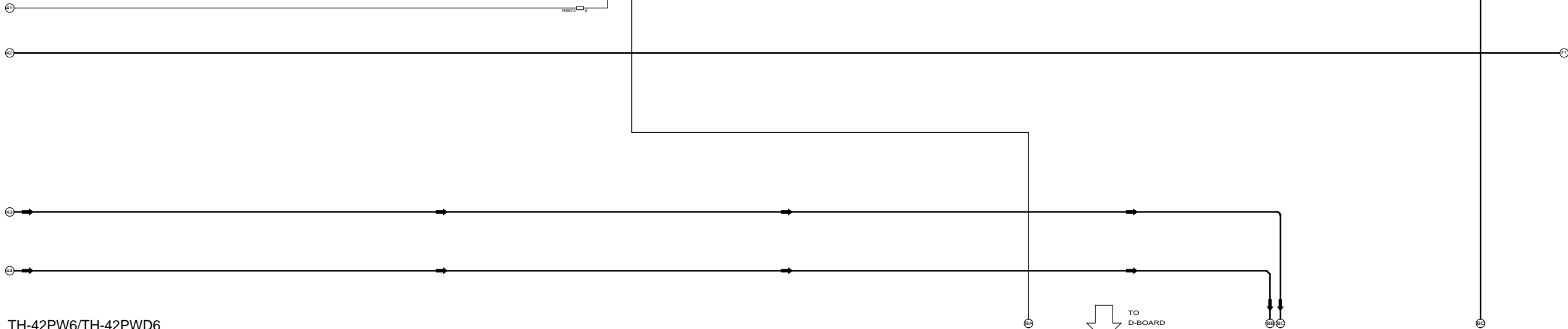
TH-42PW6/TH-42PWD6 D-Board(1of11)Schematic Diagram

TH-42PW6/TH-42PWD6 D-Board(1of11)Schematic Diagram

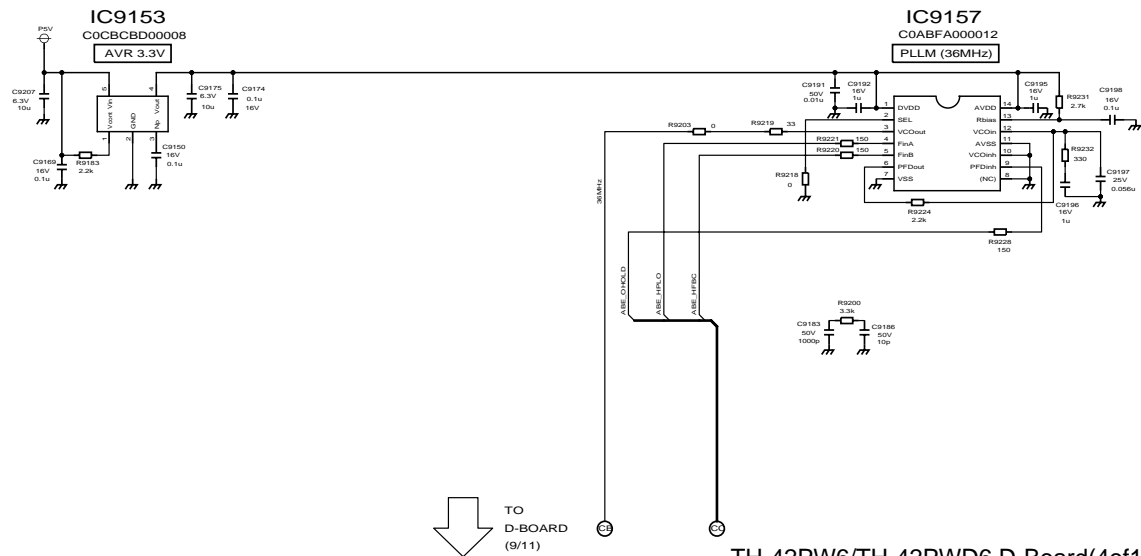


TH-42PW6/TH-42PWD6
D-Board(2of11)Schematic Diagram

TH-42PW6/TH-42PWD6 D-Board(2of11)Schematic Diagram

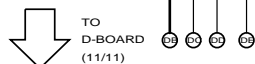


TH-42PW6/TH-42PWD6 D-Board(3of11)Schematic Diagram



TH-42PW6/TH-42PWD6 D-Board(4of11)Schematic Diagram

TH-42PW6/TH-42PWD6 D-Board(4of11)Schematic Diagram



A

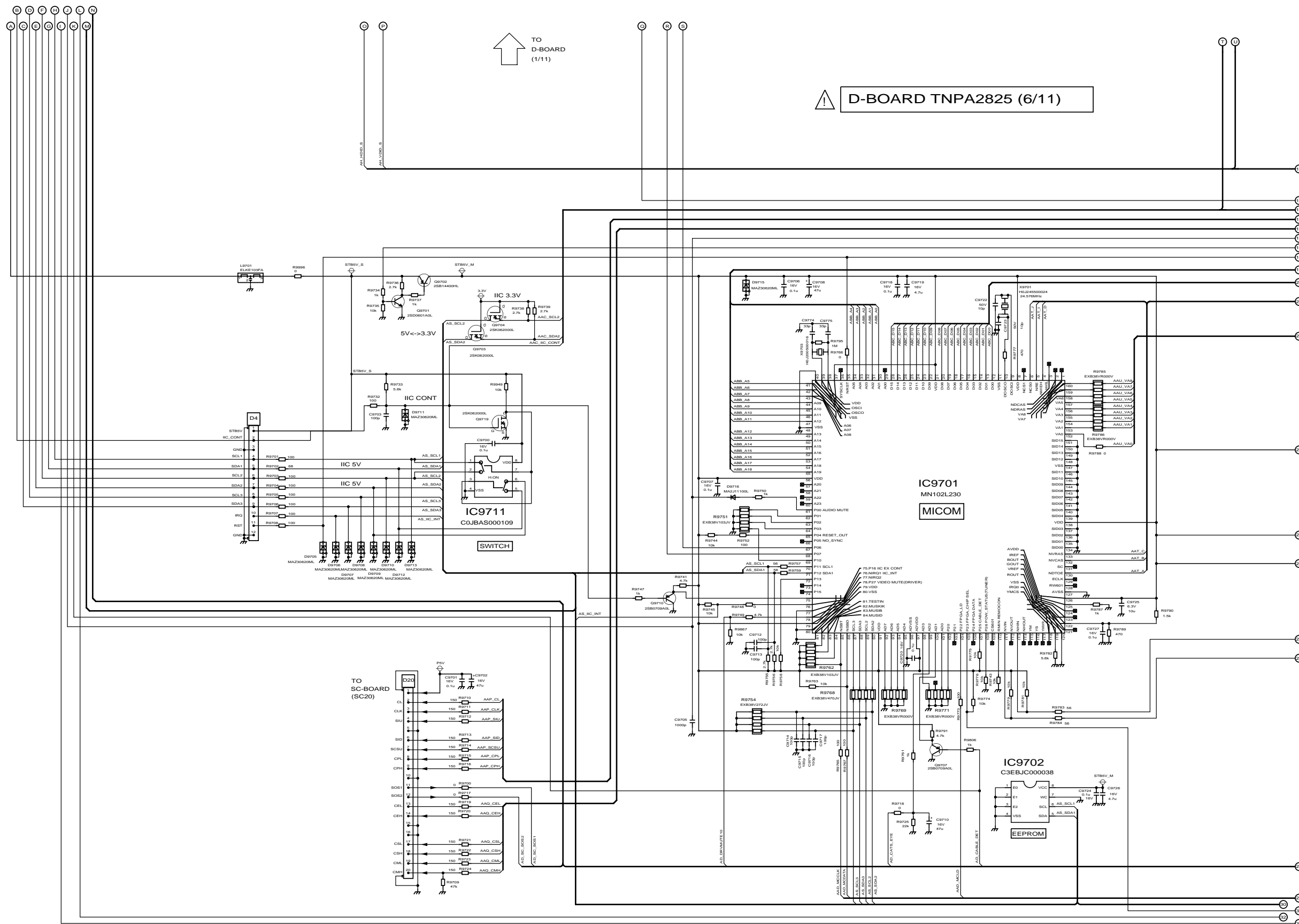
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C

D

E

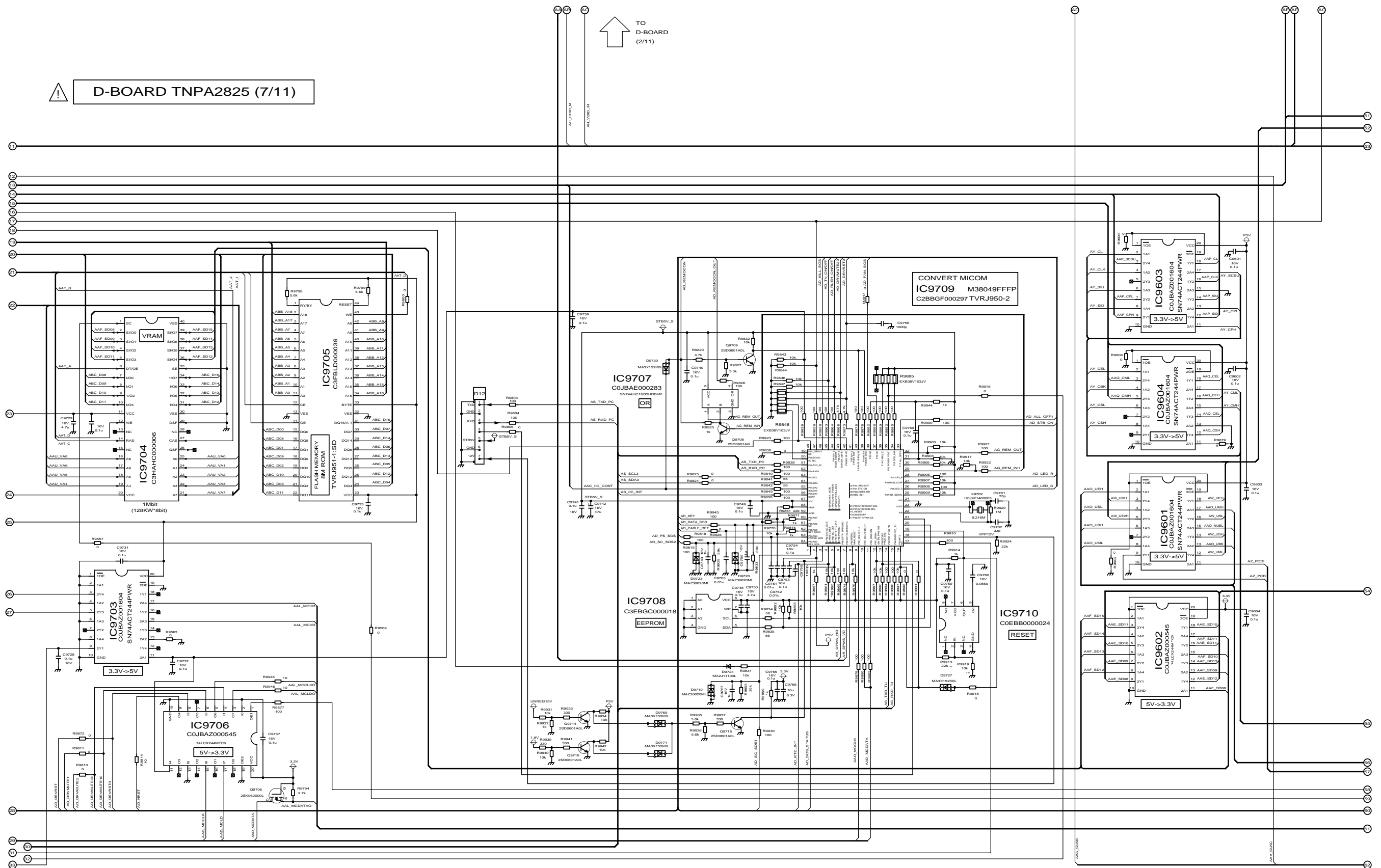
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TH-42PW6/TH-42PWD6 D-Board(6of11)Schematic Diagram



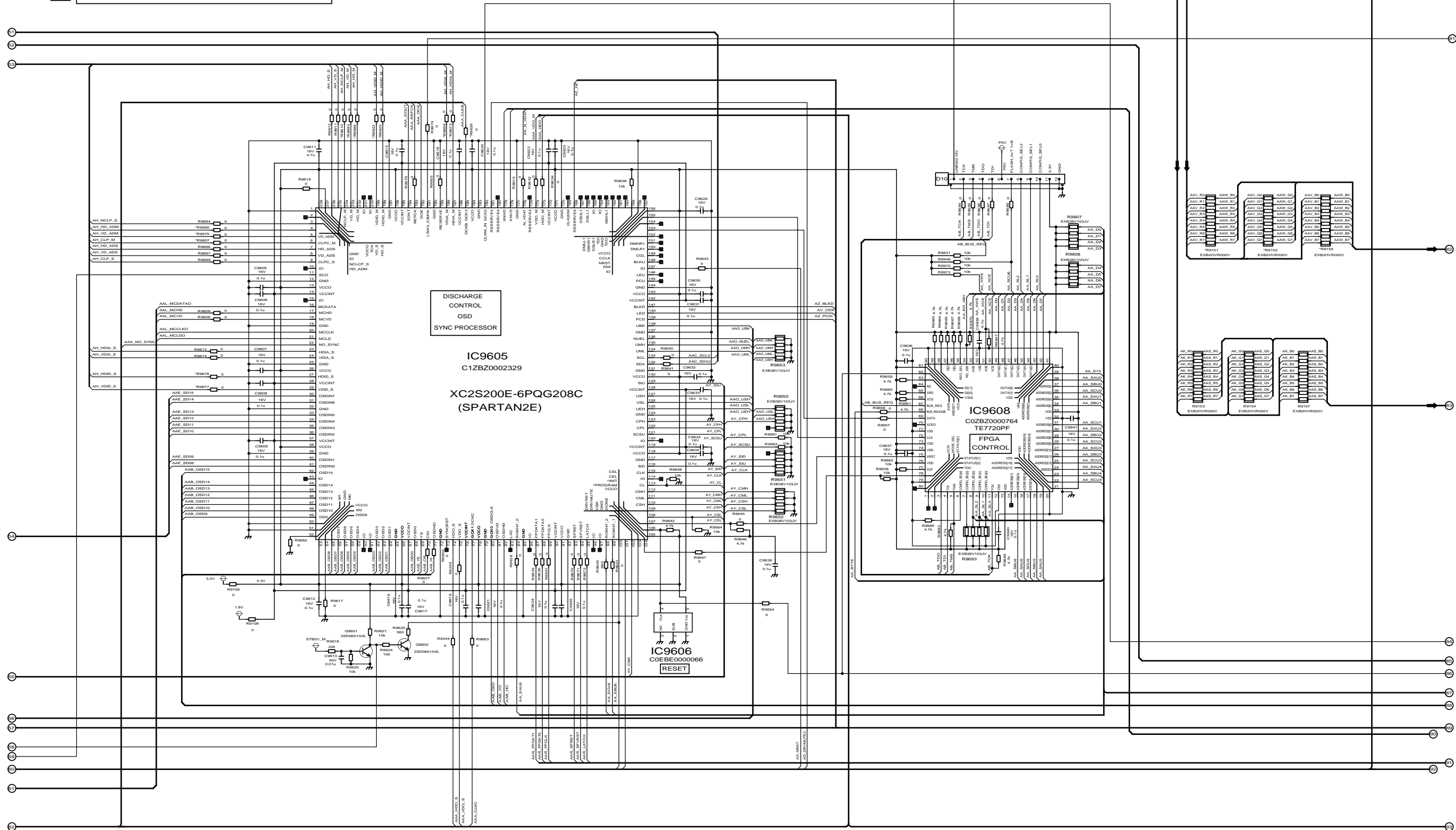
D-BOARD TNPA2825 (7/11)



TH-42PW6/TH-42PWD6 D-Board(7of11)Schematic Diagram

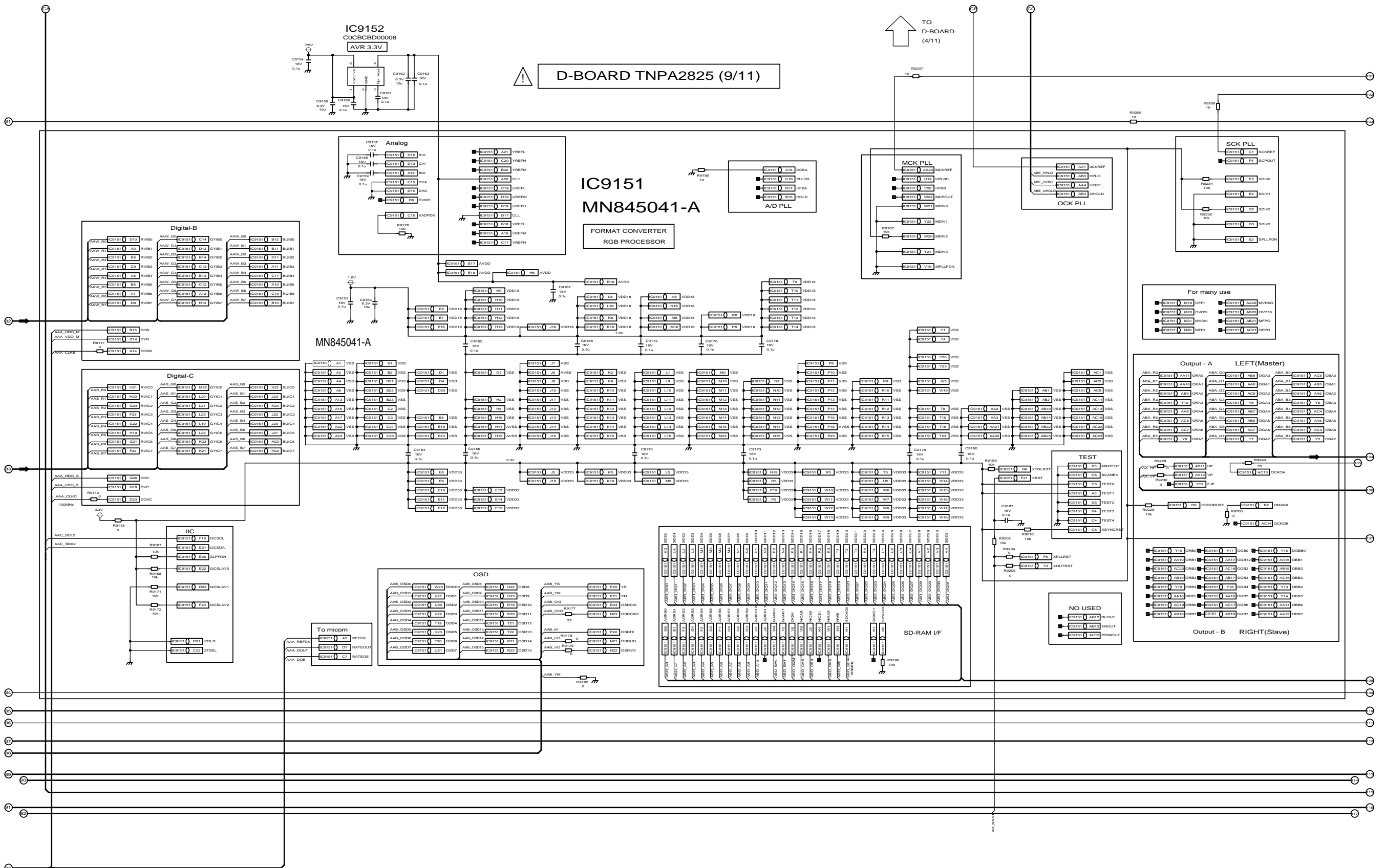
TH-42PW6/TH-42PWD6 D-Board(7of11)Schematic Diagram

⚠ D-BOARD TNPA2825 (8/11)



TH-42PW6/TH-42PWD6 D-Board(8of11)Schematic Diagram

TH-42PW6/TH-42PWD6 D-Board(8of11)Schematic Diagram

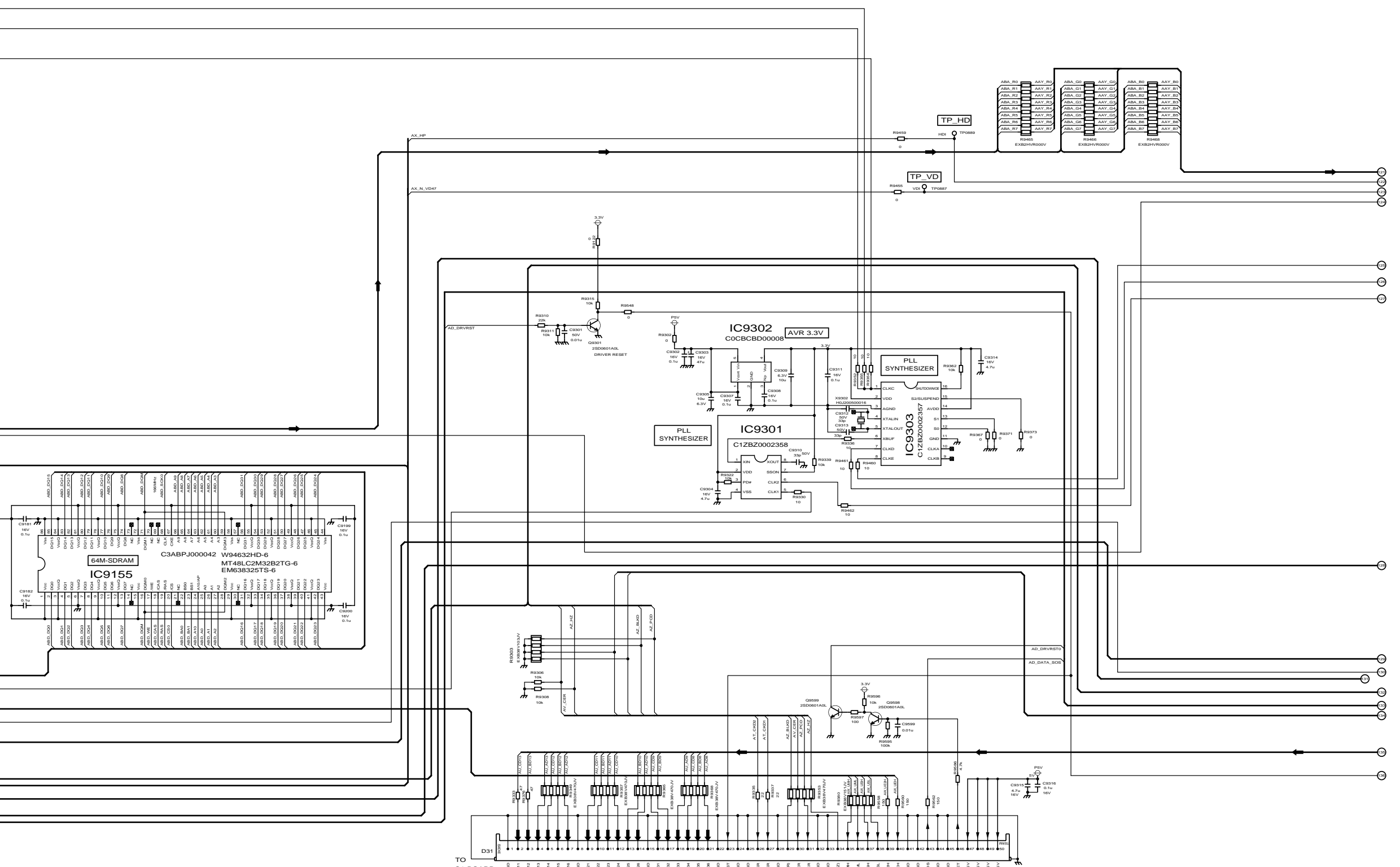


TH-42PW6/TH-42PWD6 D-Board(9of11)Schematic Diagram

TH-42PW6/TH-42PWD6 D-Board(9of11)Schematic Diagram



D-BOARD TNPA2825 (10/11)



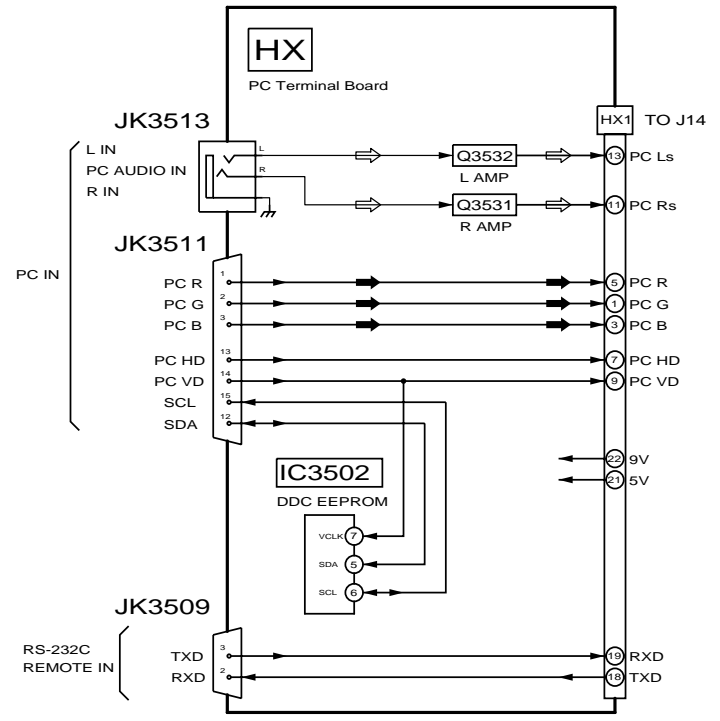
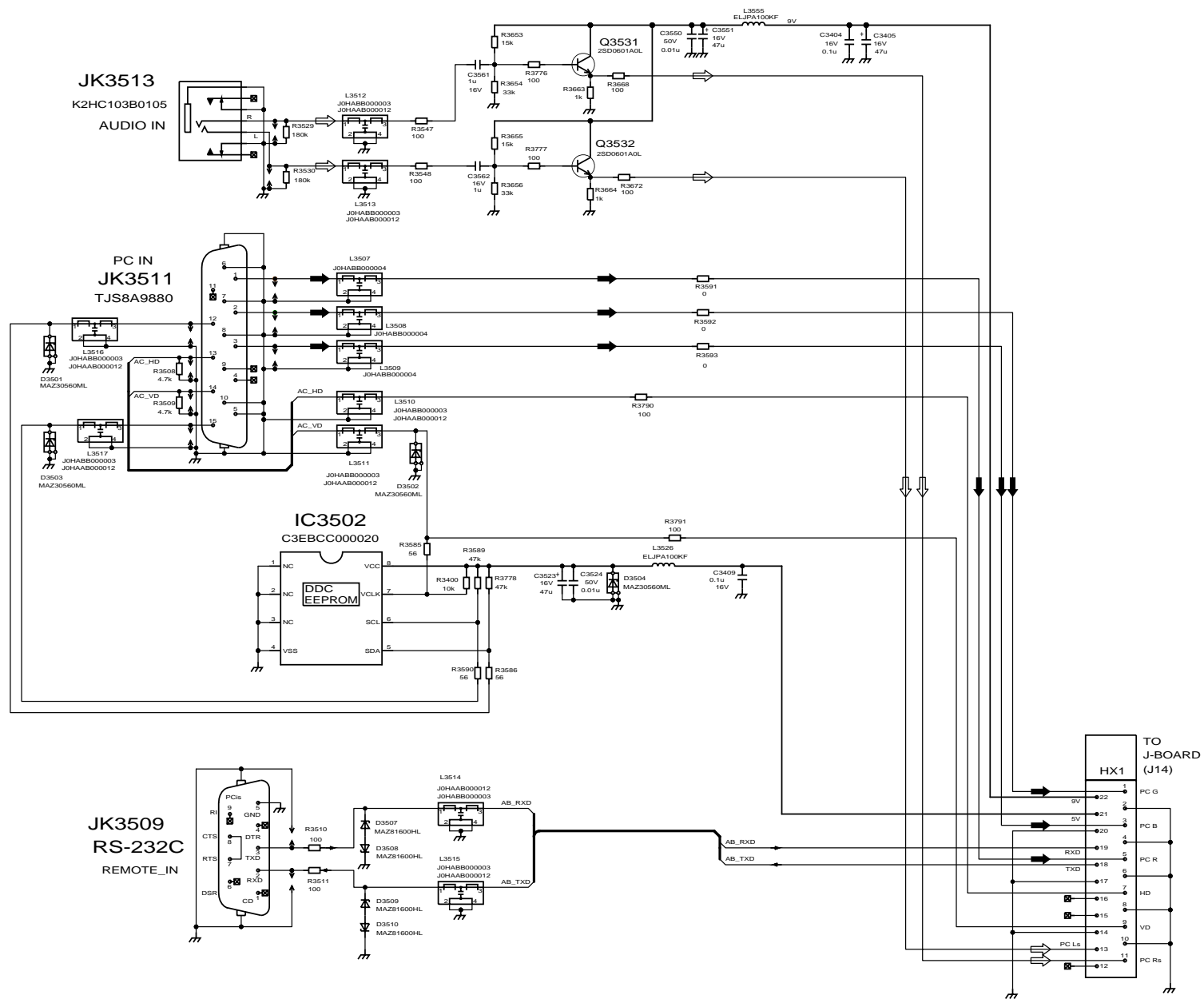
IC9455 MN84510-A

PLASMA AI
SUB FIELD PROCESSOR

From LS143

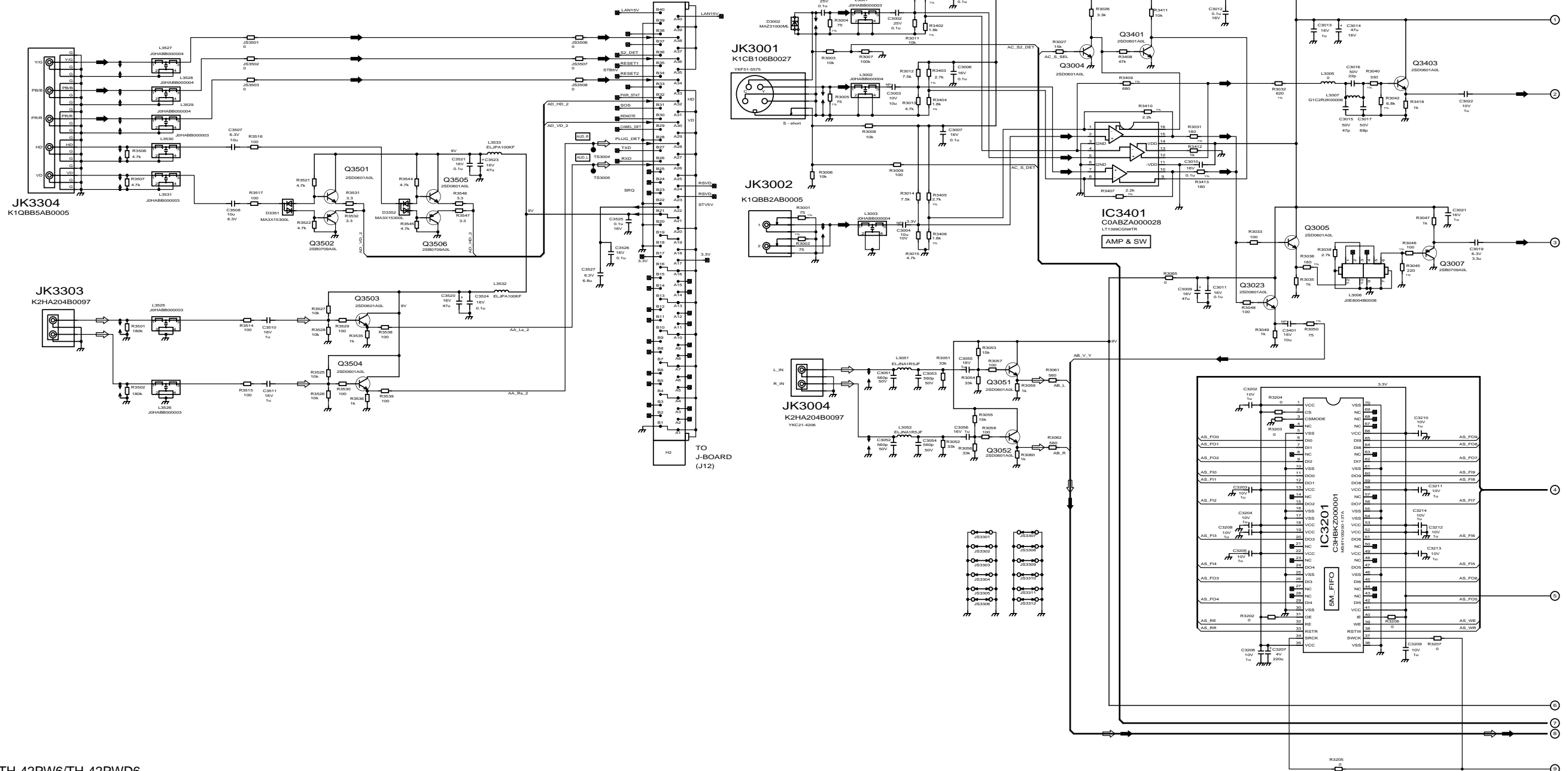
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AAV_R2 C9455 B12 R12
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AAV_R5 C9455 C11 R15
AAV_R6 C9455 B11 R16
AAV_R7 C9455 A11 R17
AAV_G0 C9455 C10 G1
AAV_G1 C9455 D10 G2
AAV_G2 C9455 B10 G3
AAV_G3 C9455 A10 G4
AAV_G4 C9455 C9 G5
AAV_G5 C9455 B9 G6
AAV_G6 C9455 A9 G7
AAV_B0 C9455 C8 B10
AAV_B1 C9455 D8 B11
AAV_B2 C9455 B8 B12
AAV_B3 C9455 A8 B13
AAV_B4 C9455 C7 B14
AAV_B5 C9455 B7 B15
AAV_B6 C9455 A7 B16
AAV_B7 C9455 C6 B17
AAV_B8 C9455 D6 B18
AAV_B9 C9455 B6 B19
AAV_B10 C9455 A6 B20
AAV_B11 C9455 C5 B21
AAV_B12 C9455 D5 B22
AAV_B13 C9455 B5 B23
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AAV_B15 C9455 C4 B25
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AAV_B17 C9455 B4 B27
AAV_B18 C9455 A4 B28
AAV_B19 C9455 C3 B29
AAV_B20 C9455 D3 B30
AAV_B21 C9455 B3 B31
AAV_B22 C9455 A3 B32
AAV_B23 C9455 C2 B33
AAV_B24 C9455 D2 B34
AAV_B25 C9455 B2 B35
AAV_B26 C9455 A2 B36
AAV_B27 C9455 C1 B37
AAV_B28 C9455 D1 B38
AAV_B29 C9455 B1 B39
AAV_B30 C9455 A1 B40
AAV_B31 C9455 C0 B41
AAV_B32 C9455 D0 B42
AAV_B33 C9455 B0 B43
AAV_B34 C9455 A0 B44
AAV_B35 C9455 C9 B45
AAV_B36 C9455 D9 B46
AAV_B37 C9455 B9 B47
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AAV_B39 C9455 C8 B49
AAV_B40 C9455 D8 B50
AAV_B41 C9455 B8 B51
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AAV_B625 C9455 B2 B635
AAV_B626 C9455 A2 B636
AAV_B627 C9455 C1 B637
AAV_B628 C9455 D1 B638
AAV_B629 C9455 B1 B639
AAV_B630 C9455 A1 B640
AAV_B631 C9455 C0 B641
AAV_B632 C9455 D0 B642
AAV_B633 C9455 B0 B643
AAV_B634 C9455 A0 B644
AAV_B635 C9455 C9 B645
AAV_B636 C9455 D9 B646
AAV_B637 C9455 B9 B647
AAV_B638 C9455 A9 B648
AAV_B639 C9455 C8 B649
AAV_B640 C9455 D8 B650
AA

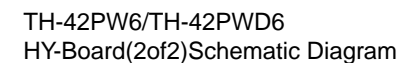
! HX-BOARD TXNHX10QBS





HY-BOARD TXNHY10QBS (1/2)





A

B

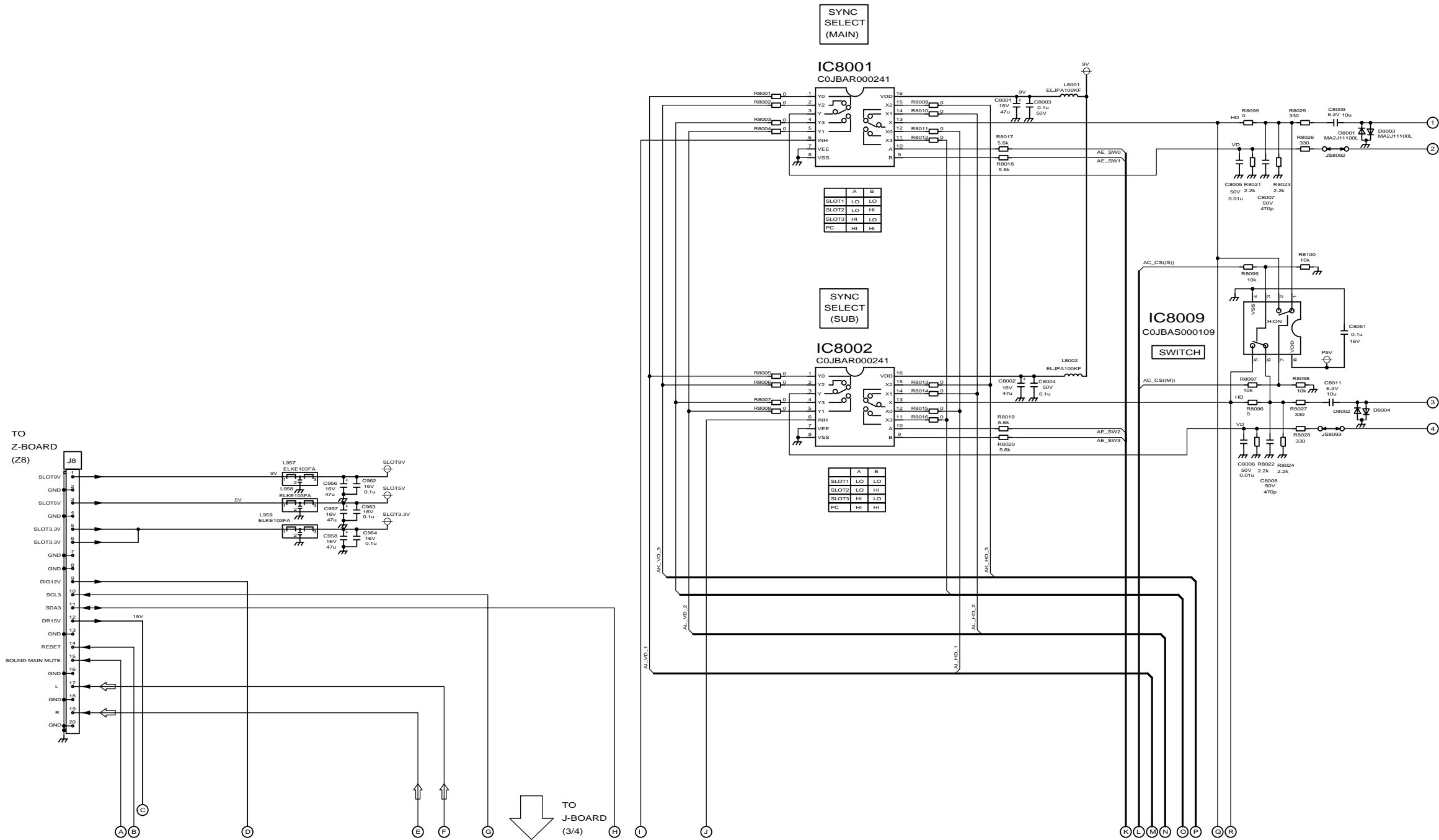
C

D

E

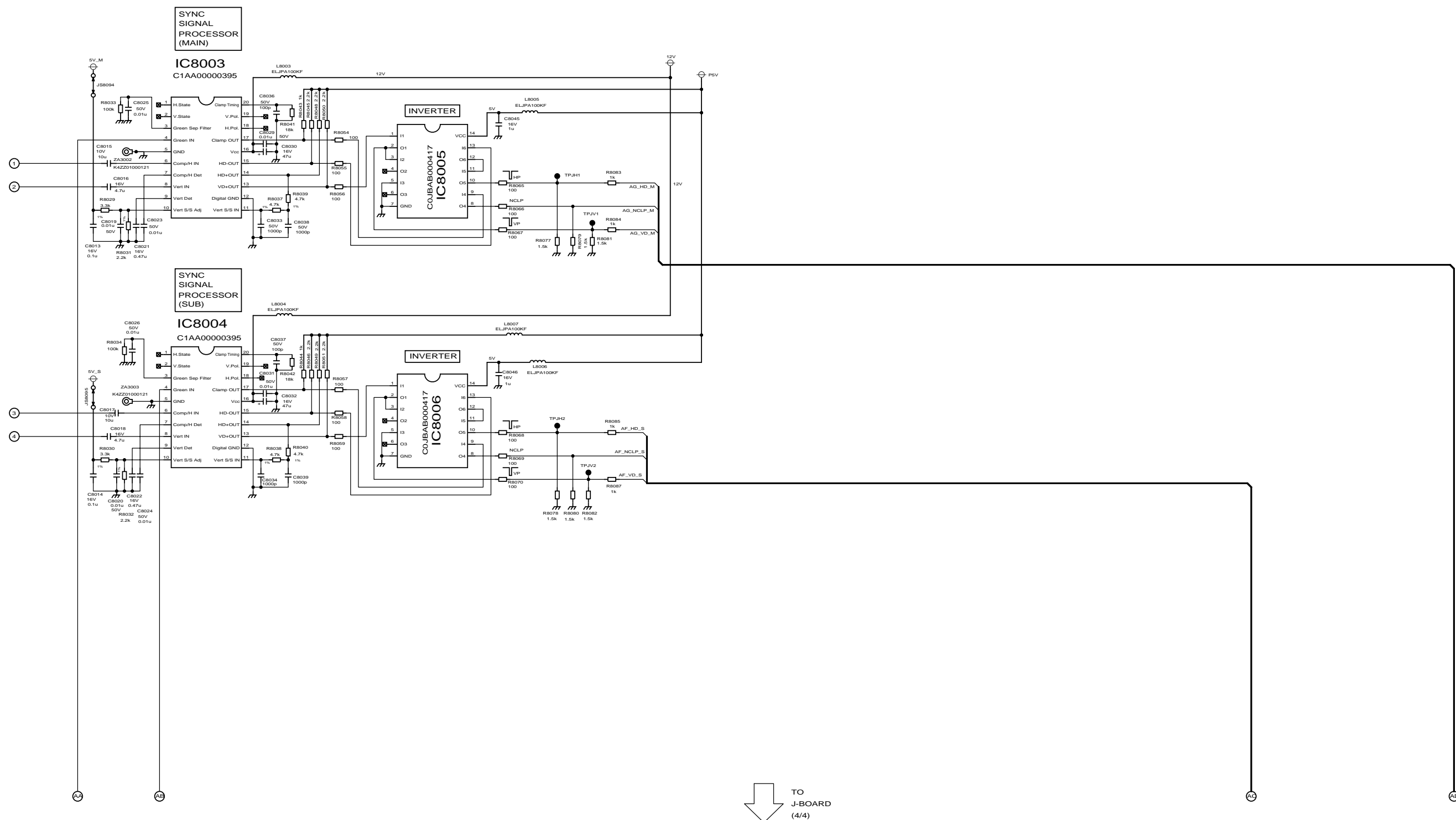


J-BOARD TNPA2826 (1/4)





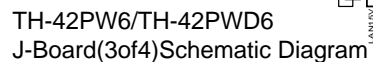
J-BOARD TNPA2826 (2/4)



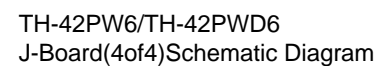
TH-42PW6/TH-42PWD6
J-Board(2of4)Schematic Diagram

TO
J-BOARD
(4/4)

TH-42PW6/TH-42PWD6
J-Board(2of4)Schematic Diagram




TH-42PW6/TH-42PWD6 J-Board(3of4) Schematic Diagram



TH-42PW6/TH-42PWD6
J-Board(4of4)Schematic Diagram

Important Safety Notice

Components identified by  mark have special characteristics important for safety. When replacing any of these components, use only manufacture's specified parts.

Notes:

1. Resistor

All resistors are carbon 1/4W resistor, unless marked as follows:



Unit of resistance is OHM [Ω] (K=1,000, M=1,000,000).

- | | | | |
|---|----------------|---|---------------|
| ○ | : Nonflammable | ☒ | : Metal Oxide |
| △ | : Solid | ◎ | : Metal Film |
| ▣ | : Wire Wound | ⊗ | : Fuse: |

2. Capacitor

All capacitors are ceramic 50V capacitor, unless marked as follows:

Unit of capacitance is F, unless otherwise noted.

- | | | | |
|---|----------------------------|---|-------------------|
| ⊗ | : Temperature Compensation |  | : Electrolytic |
| Ⓜ | : Polyester |  | : Bipolar |
| Ⓜ | : Metalized Polyester | Ⓣ | : Dipped Tantalum |
| ⊠ | : Polypropylene | Ⓢ | : Z-Type |

3. Coil

Unit of inductance is F , unless otherwise noted.

4. Test Point

- : Test Point position

5. Earth Symbol

- \perp : Chassis Earth (Cold) ∇ : Line Earth (Hot)

6. Voltage Measurement

Voltage is measured by a DC voltmeter.

Conditions of the measurement are the following:

Power SourceAC 120V, 50/60Hz
(UY VERSION model)/
AC220-240V, 50/60Hz
(Except UY VERSION)

Receiving Signal Colour Bar signal (RF)

All customer's controls Maximum positions

7. Number in red circle indicates waveform number.

(See waveform pattern table.)

8. When arrow mark (↗) is found, connection is easily found from the direction of arrow

9. Indicates the major signal flow. : Video ➡ Audio ⇔

10. This schematic diagram is the latest at the time of printing and subject to change without notice.

Remarks:

1. The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection.

The circuit is defined by HOT and COLD indications in the schematic diagram. Take the following precautions.

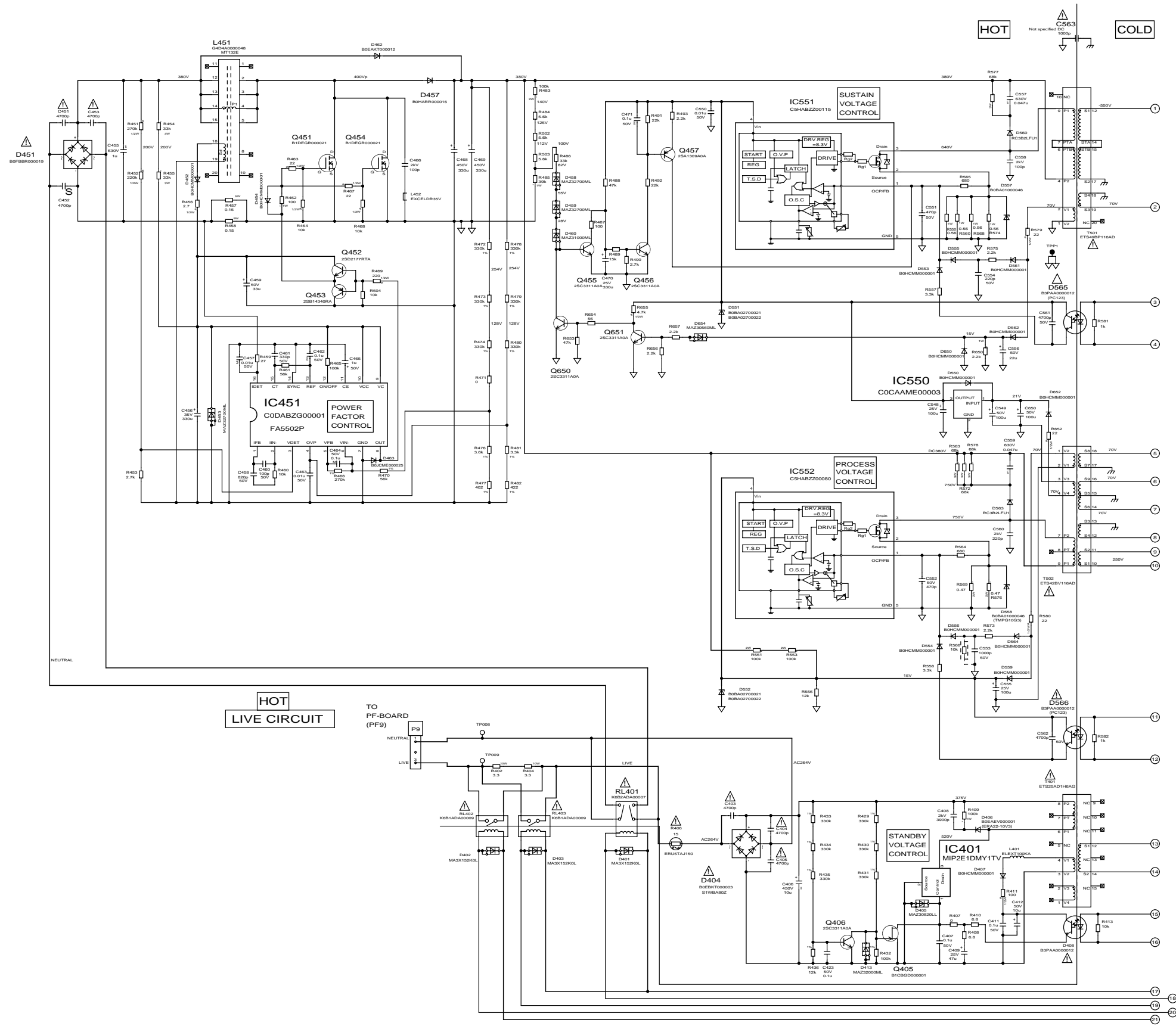
All circuits, except the Power Circuit, are cold.

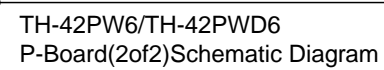
Precautions

- a. Do not touch the hot part or the hot and cold parts at the same time or you may be shocked.
 - b. Do not short- circuit the hot and cold circuits or a fuse may blow and parts may break.
 - c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously or a fuse may blow.
Connect the earth of instruments to the earth connection of the circuit being measured.
 - d. Make sure to disconnect the power plug before removing the chassis.
2. Following diodes are interchangeable.
MA150- MA162 (Replacement part)

A
B
C
D
E
F

⚠ P-BOARD TNPA2841 (1/2)





TH-42PW6/TH-42PWD6
P-Board(2of2)Schematic Diagram

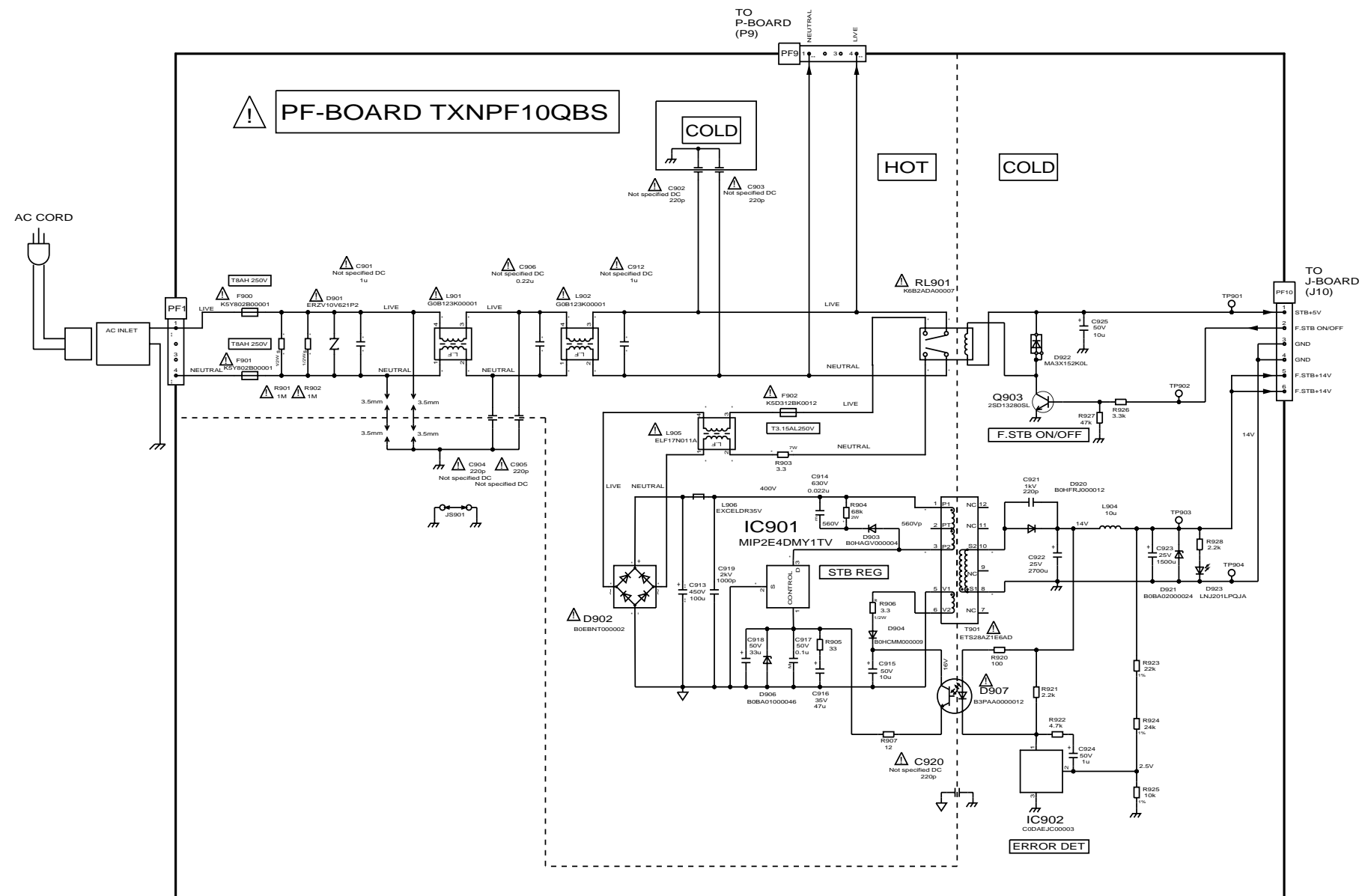
A

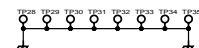
B

C

D

E







A

B

C

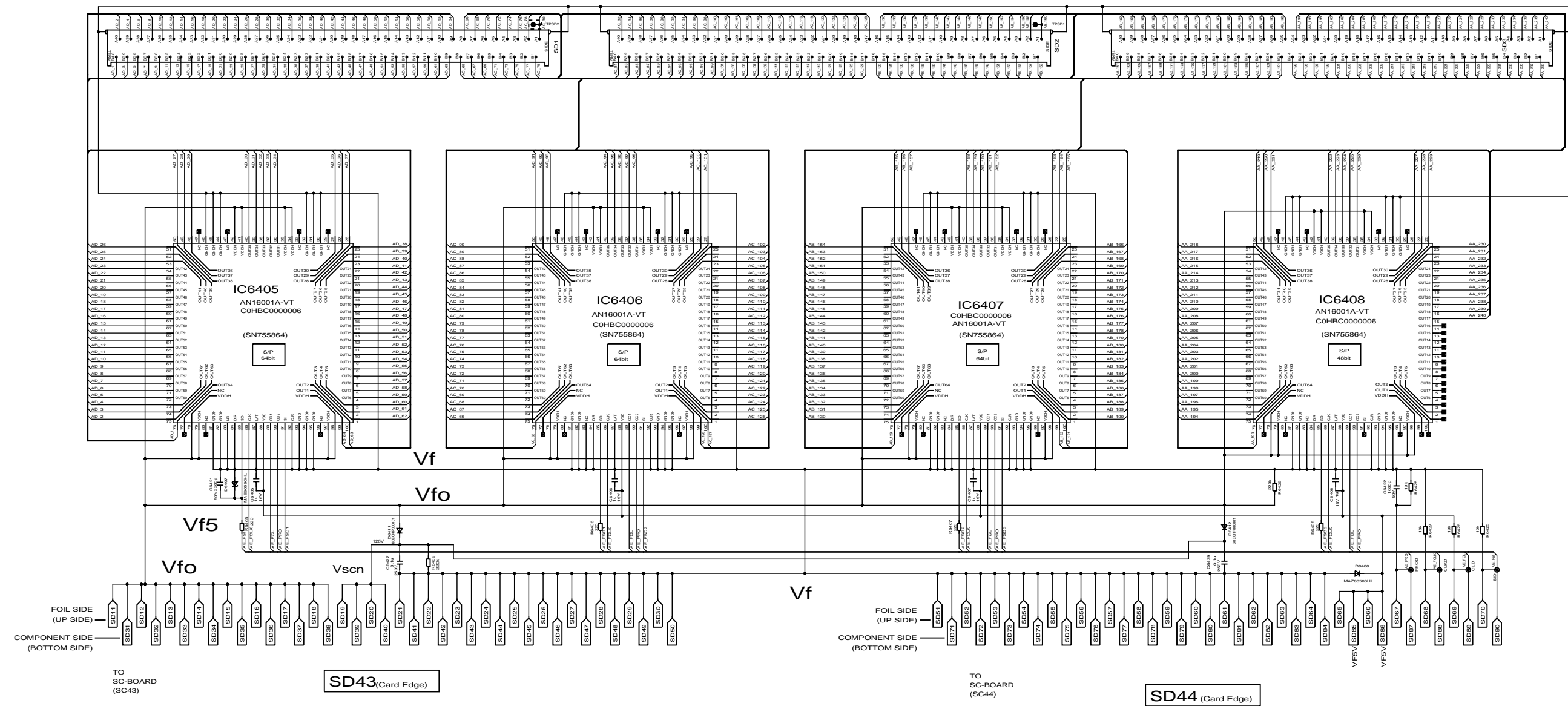
D

E

F

SD-BOARD TNPA2958

DOWN



TH-42PW6/TH-42PWD6
SD-Board Schematic Diagram

TH-42PW6/TH-42PWD6
SD-Board Schematic Diagram

A

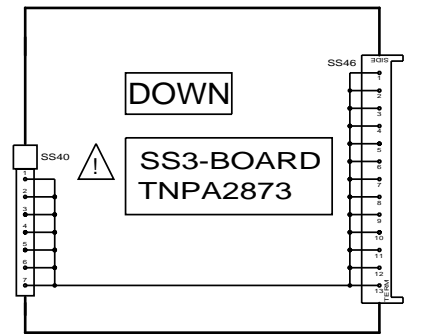
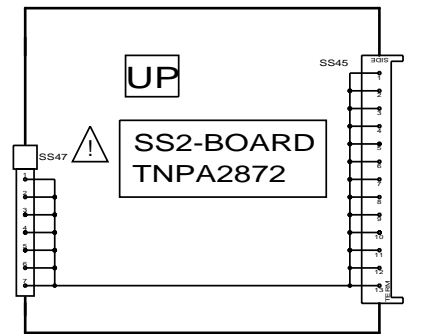
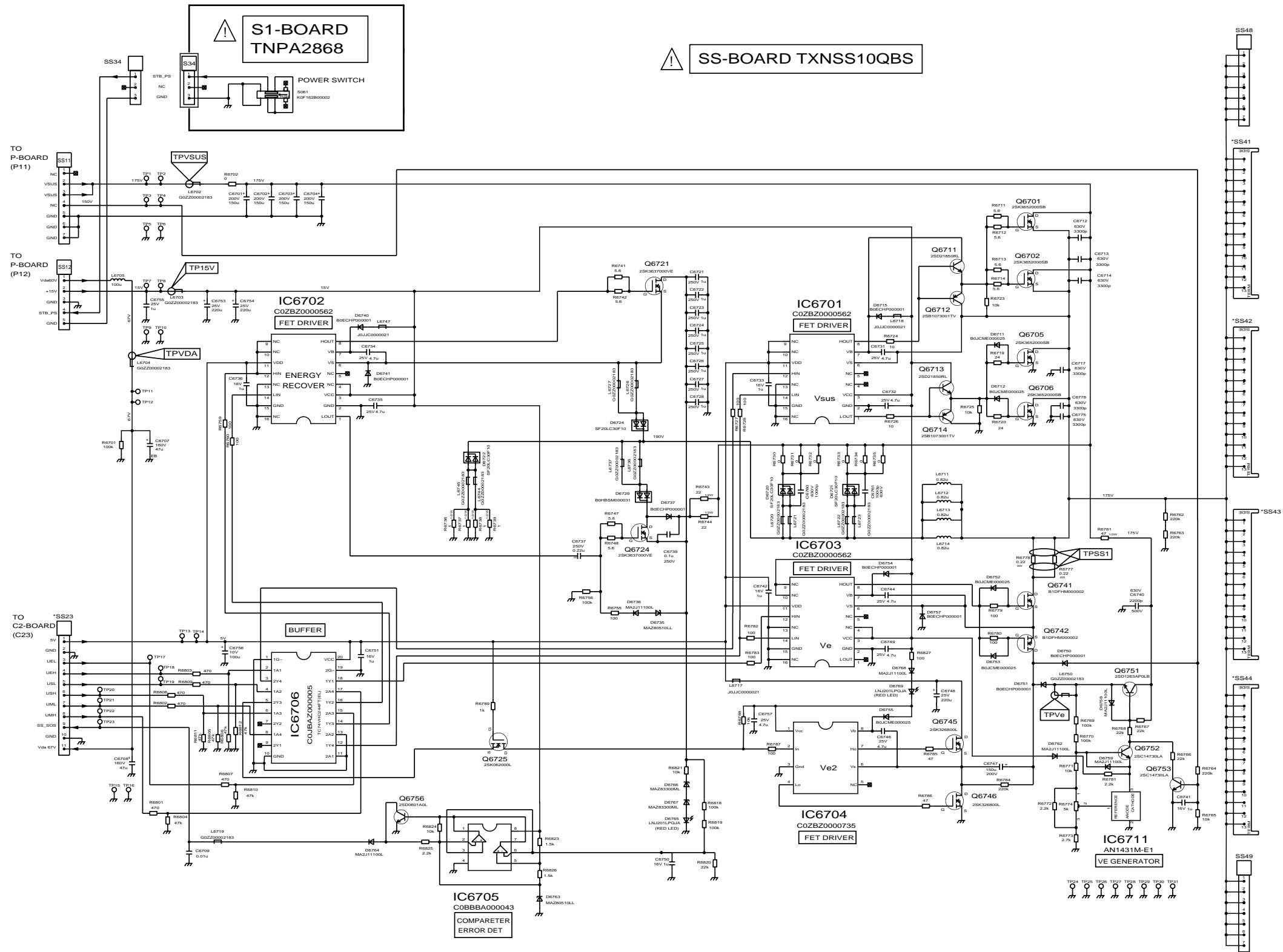
B

C

D

E

F

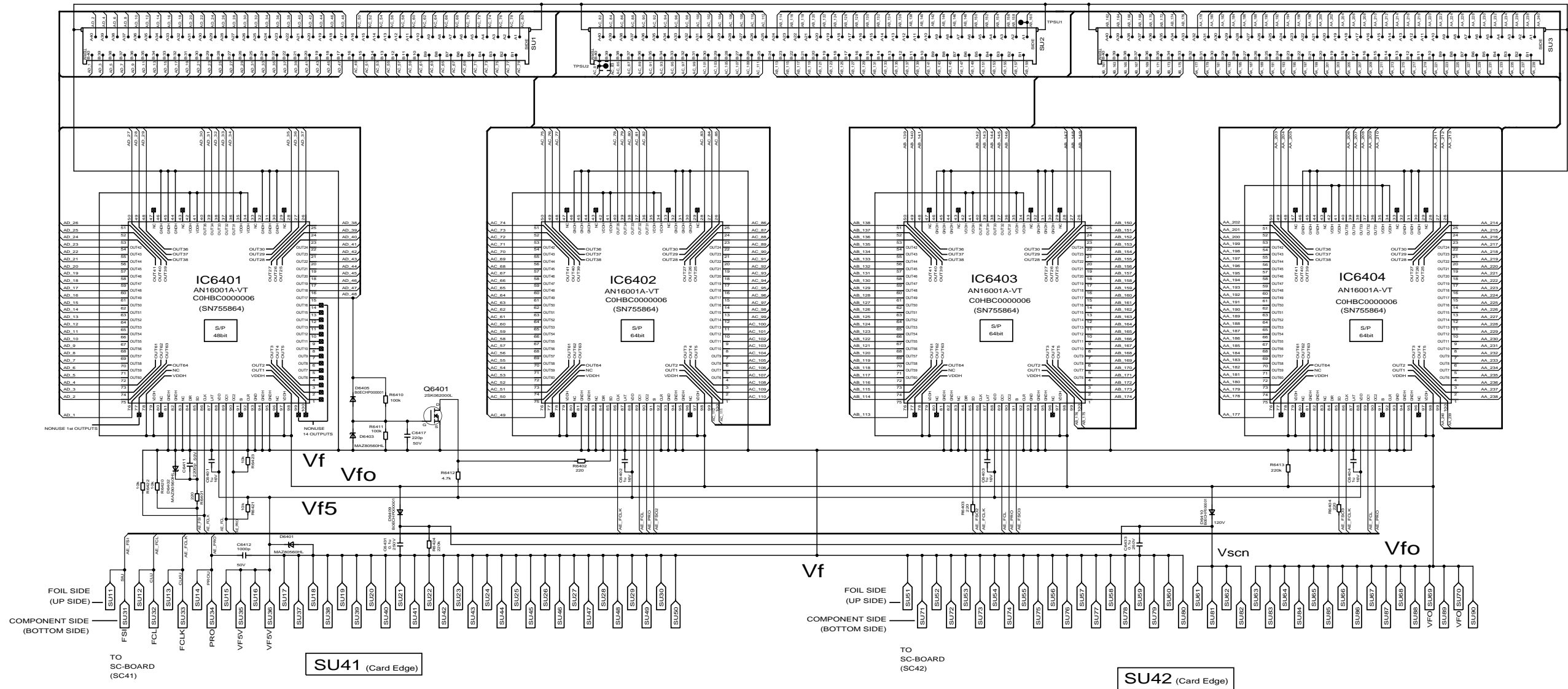


TH-42PW6/TH-42PWD6
SS,S1,SS2 and SS3-Board Schematic Diagram

TH-42PW6/TH-42PWD6 SS,S1,SS2 and SS3-Board Schematic Diagram

! SU-BOARD TNPA2957

UP



A

B

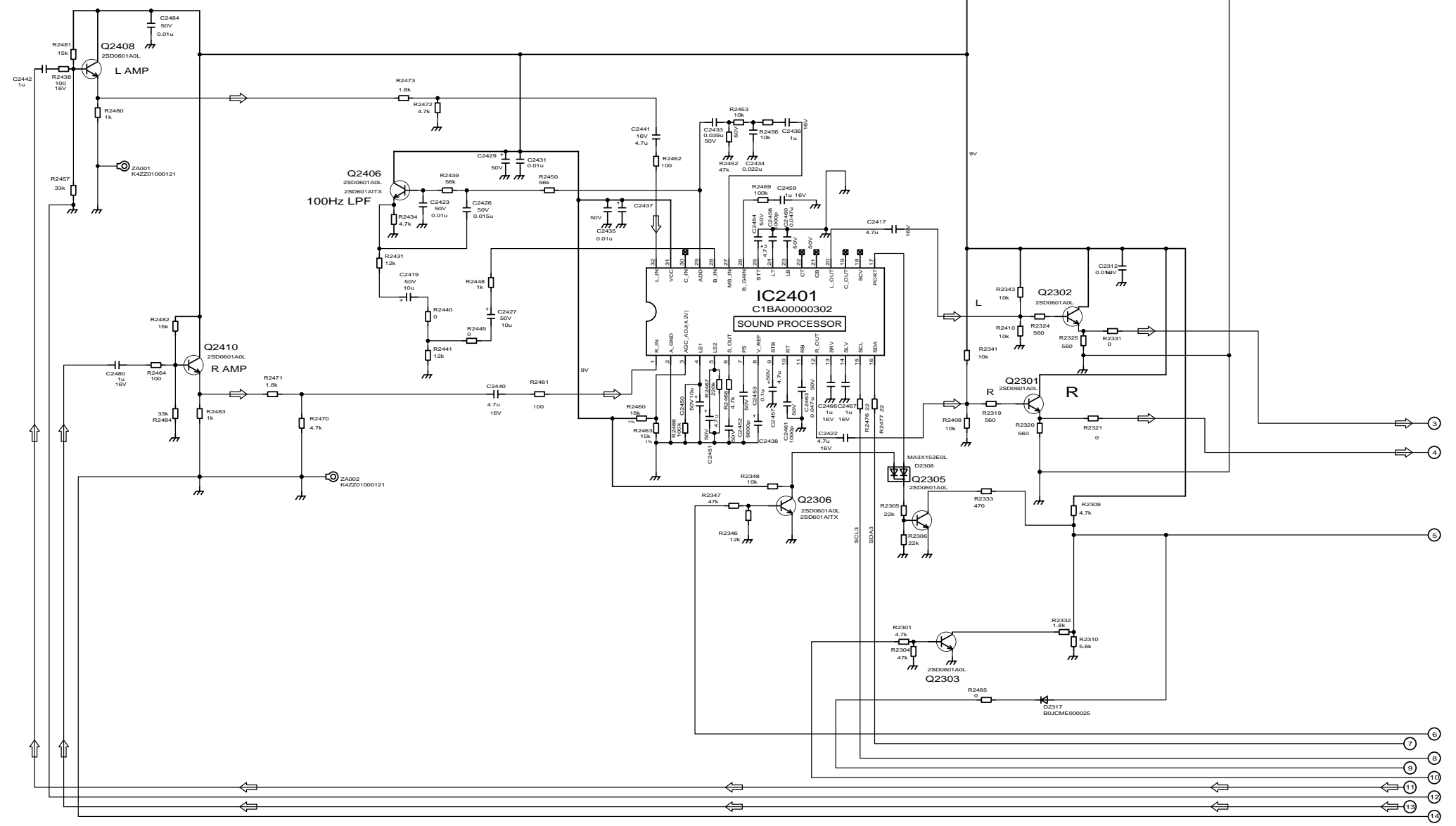
C

D

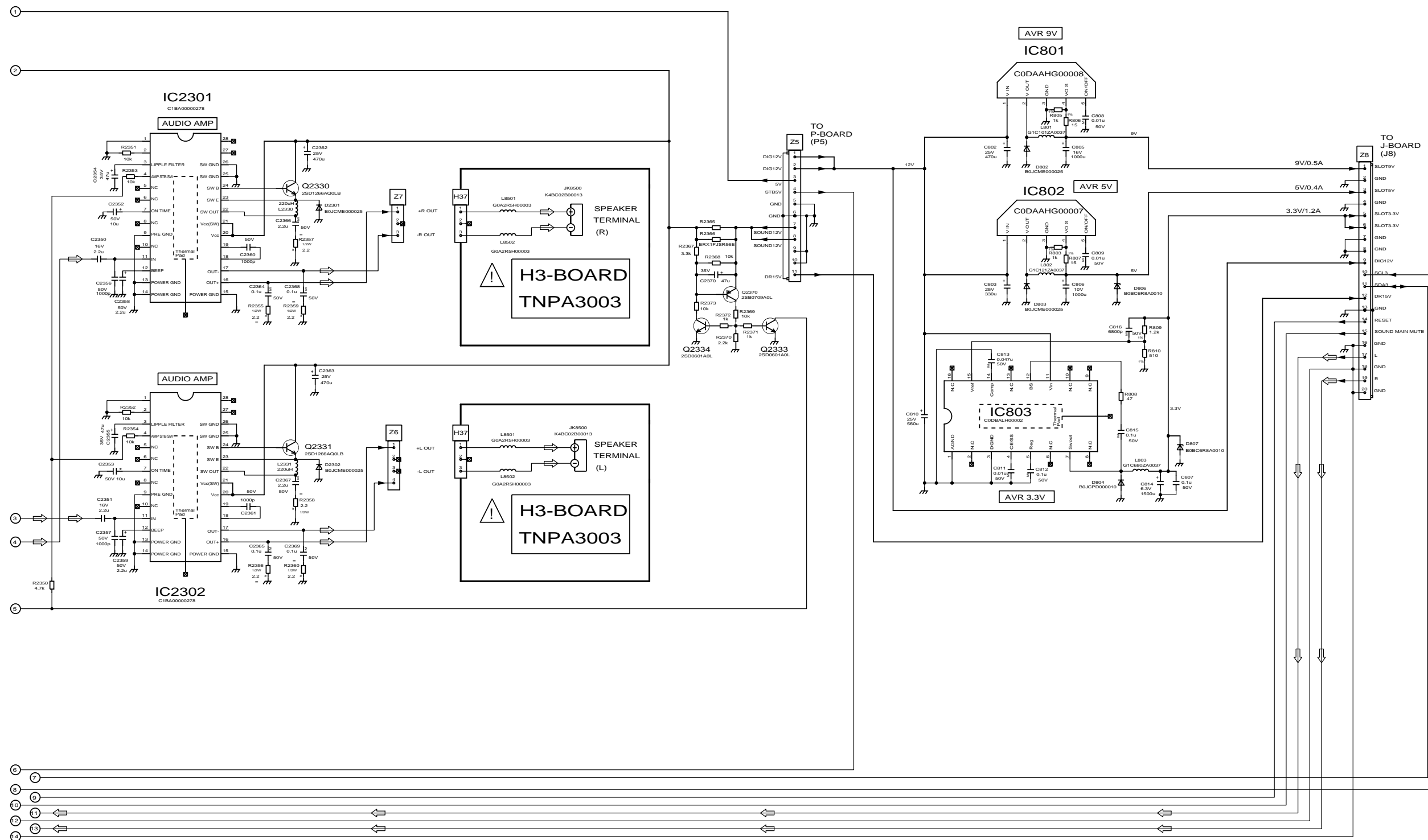
E



Z-BOARD TNPA2815 (1/2)



Z-BOARD TNPA2815 (2/2)



TH-42PW6/TH-42PWD6

Z and H3-Board(2of2)Schematic Diagram

TH-42PW6/TH-42PWD6
Z and H3-Board(2of2)Schematic Diagram

14 Block and Schematic Diagrams

14.1. Schematic Diagram Notes

Important Safety Notice

Components identified by Δ mark have special characteristics important for safety.
When replacing any of these components, use only manufacture's specified parts.

Notes:

1. Resistor

All resistors are carbon 1/4W resistor, unless marked as follows:

Unit of resistance is OHM [] (K=1,000, M=1,000,000).

\bigcirc : Nonflammable	\boxtimes : Metal Oxide
\triangle : Solid	\odot : Metal Film
\boxplus : Wire Wound	\otimes : Fuse:

2. Capacitor

All capacitors are ceramic 50V capacitor, unless marked as follows:

Unit of capacitance is F, unless otherwise noted.

\otimes : Temperature Compensation	$\begin{array}{c} + \\ \text{---} \text{---} \end{array}$: Electrolytic
\textcircled{M} : Polyester	$\begin{array}{c} \text{NP} \\ \text{---} \text{---} \end{array}$: Bipolar
\textcircled{m} : Metalized Polyester	\textcircled{T} : Dipped Tantalum
\boxtimes : Polypropylene	\textcircled{Z} : Z-Type

3. Coil

Unit of inductance is H, unless otherwise noted.

4. Test Point

\bigcirc : Test Point position

5. Earth Symbol

$\text{---} \text{---}$: Chassis Earth (Cold) \downarrow : Line Earth (Hot)

6. Voltage Measurement

Voltage is measured by a DC voltmeter.

Conditions of the measurement are the following:

Power Source	AC 120V, 50/60Hz (UY VERSION model)/ AC220-240V, 50/60Hz (Except UY VERSION)
Receiving Signal	Colour Bar signal (RF)
All customer's controls	Maximum positions

7. Number in red circle indicates waveform number.

(See waveform pattern table.)

8. When arrow mark (\nearrow) is found, connection is easily found from the direction of arrow

9. Indicates the major signal flow. : Video \Rightarrow Audio \Rightarrow

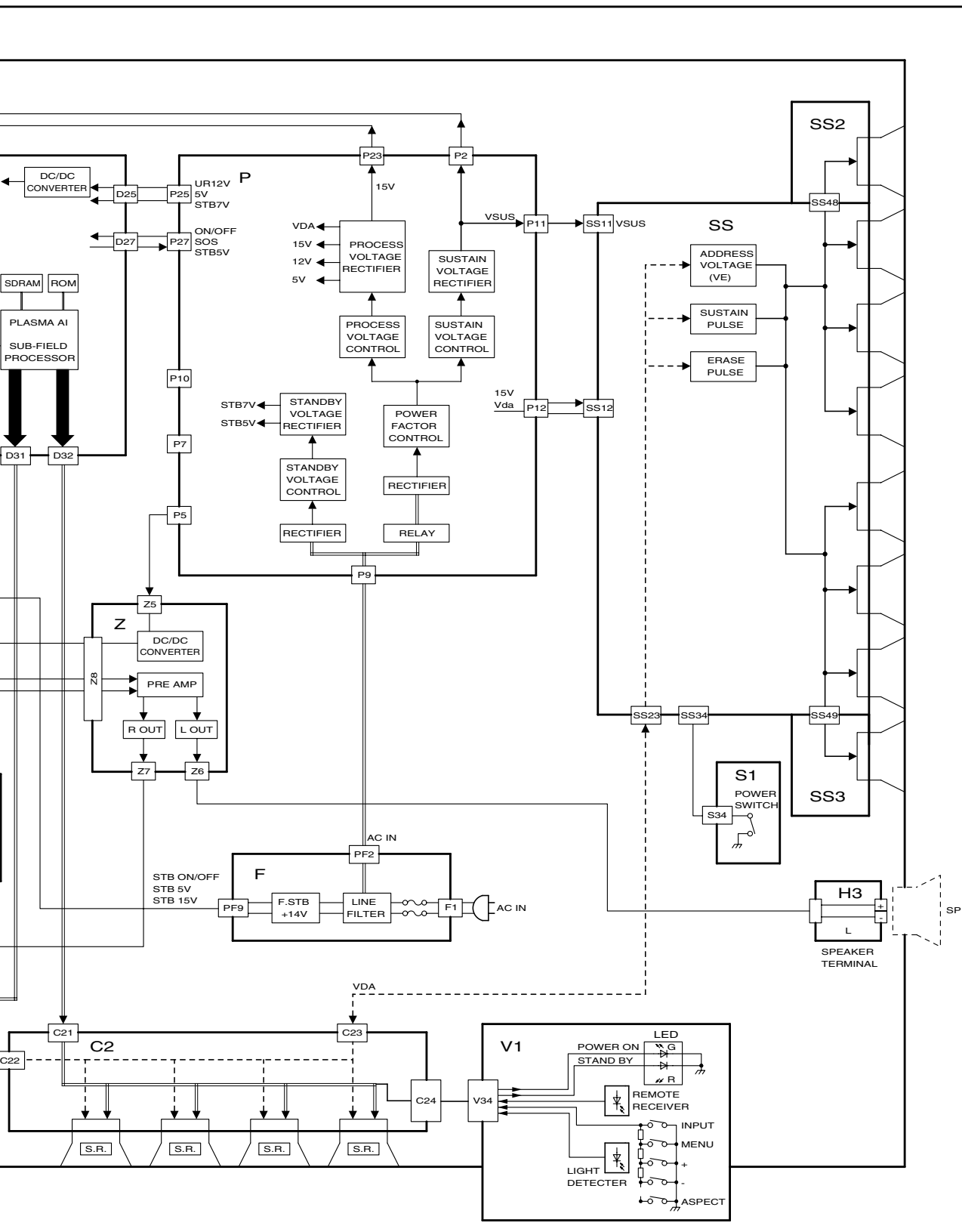
10. This schematic diagram is the latest at the time of printing and subject to change without notice.



Remarks:

1. The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection.
The circuit is defined by HOT and COLD indications in the schematic diagram. Take the following precautions.
All circuits, except the Power Circuit, are cold.
Precautions
 - a. Do not touch the hot part or the hot and cold parts at the same time or you may be shocked.
 - b. Do not short- circuit the hot and cold circuits or a fuse may blow and parts may break.
 - c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously or a fuse may blow.
Connect the earth of instruments to the earth connection of the circuit being measured.
 - d. Make sure to disconnect the power plug before removing the chassis.
2. Following diodes are interchangeable.
MA150- MA162 (Replacement part)





TH-42PW6/TH-42PWD6
Main Block Diagram

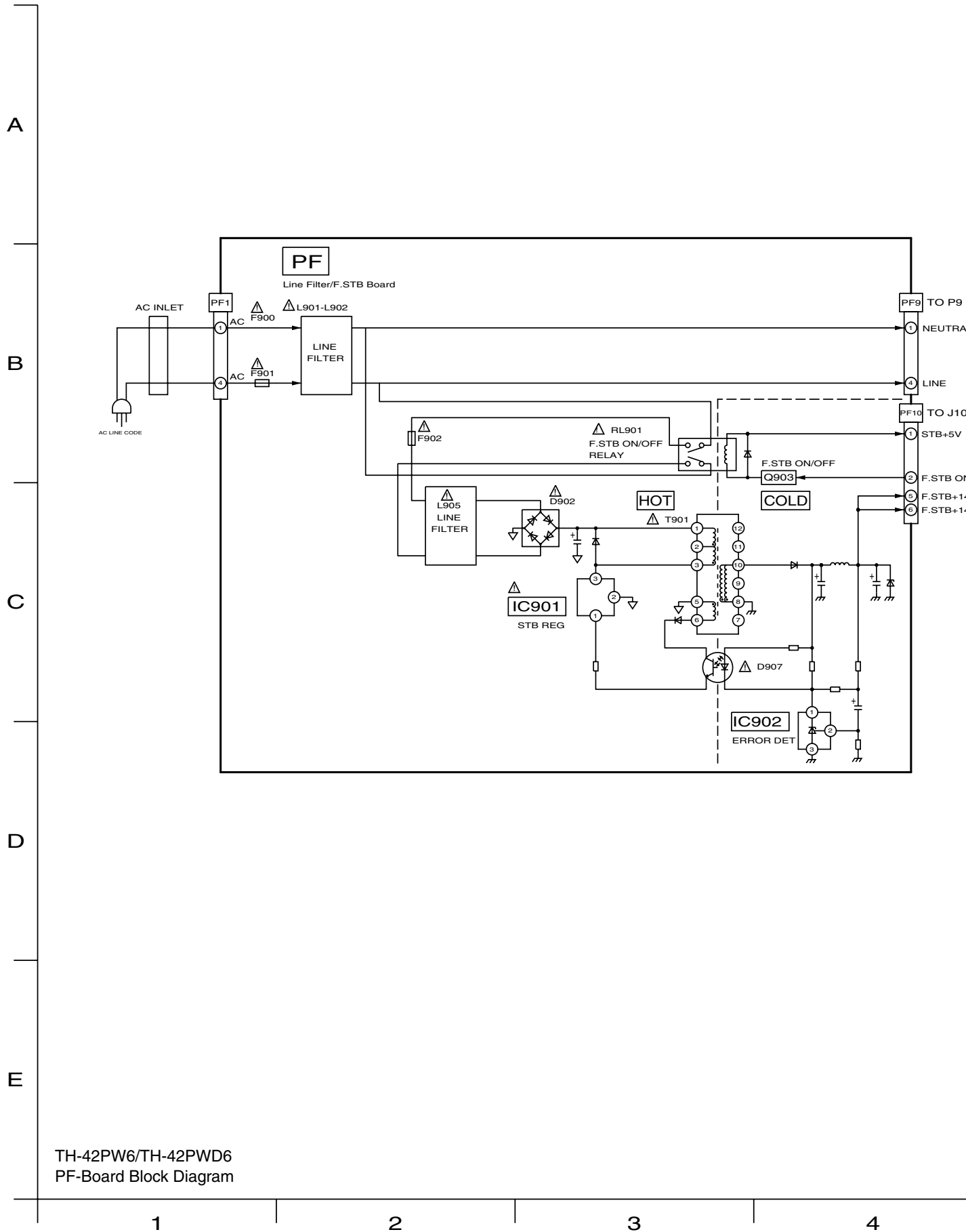
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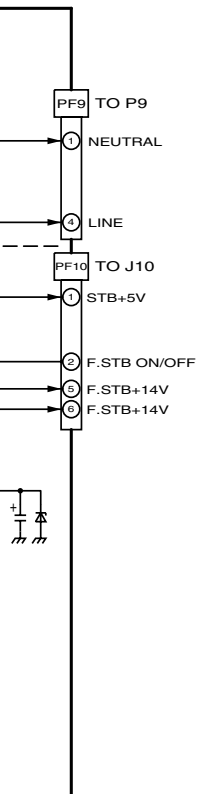
6

7

8

14.3. PF-Board Block Diagram

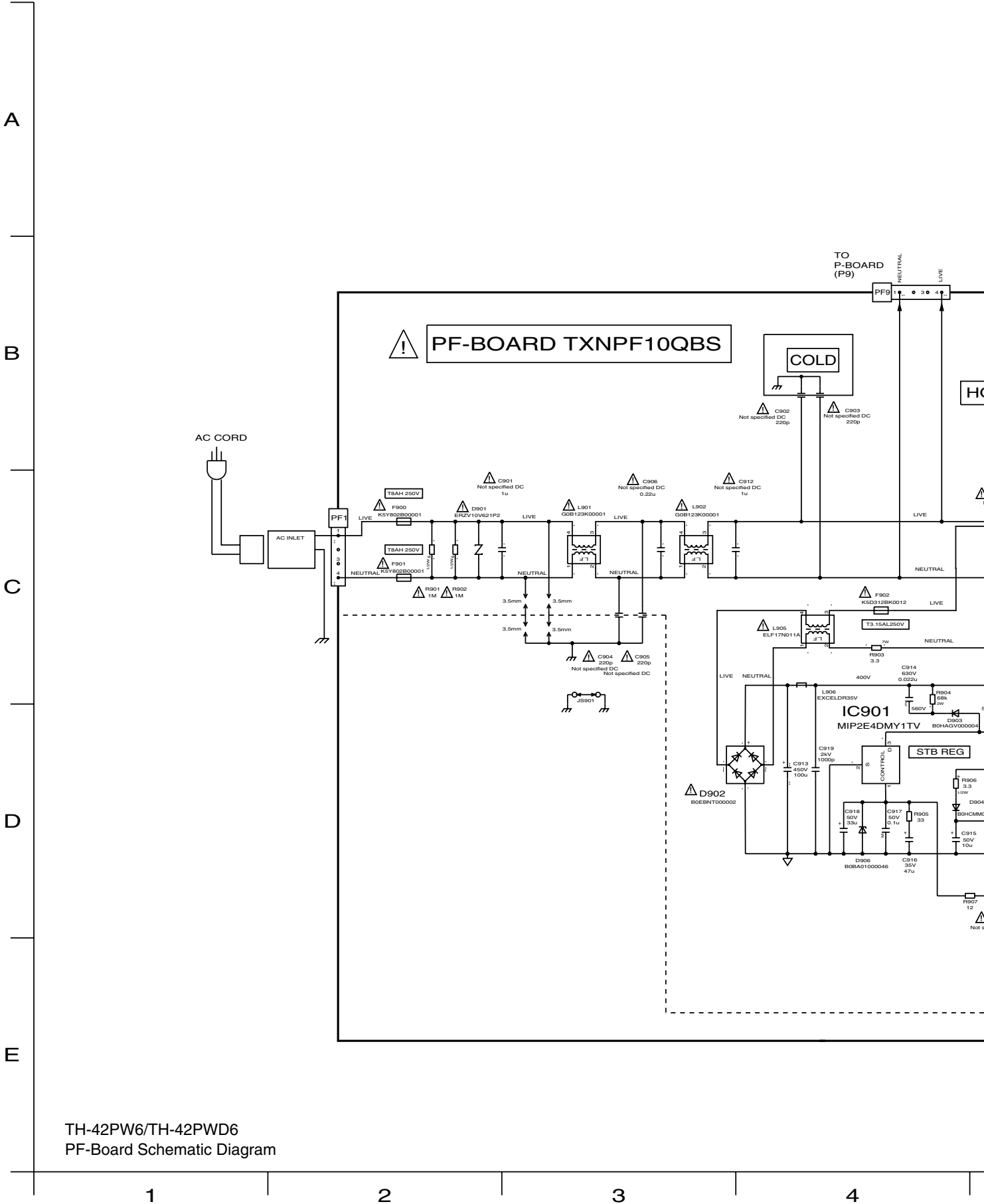


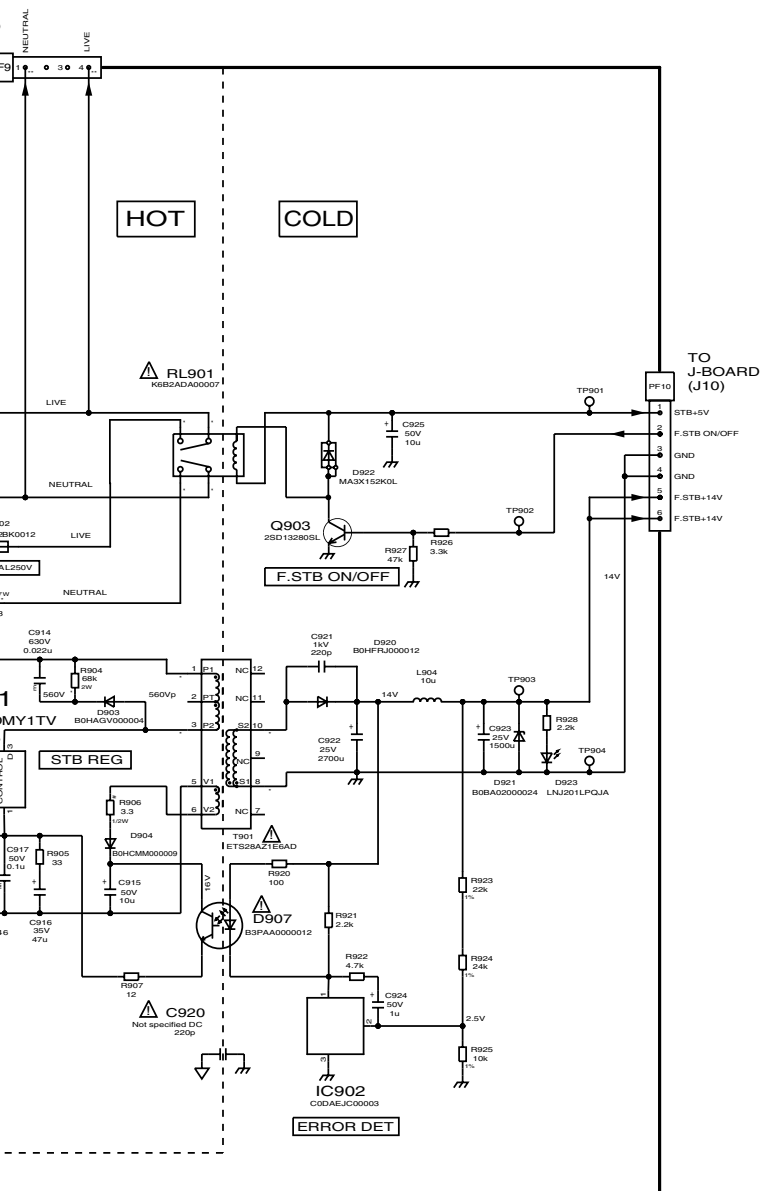


TH-42PW6/TH-42PWD6
PF-Board Block Diagram

4 5 6 7 8

14.4. PF-Board Schematic Diagram





TH-42PW6/TH-42PWD6
PF-Board Schematic Diagram

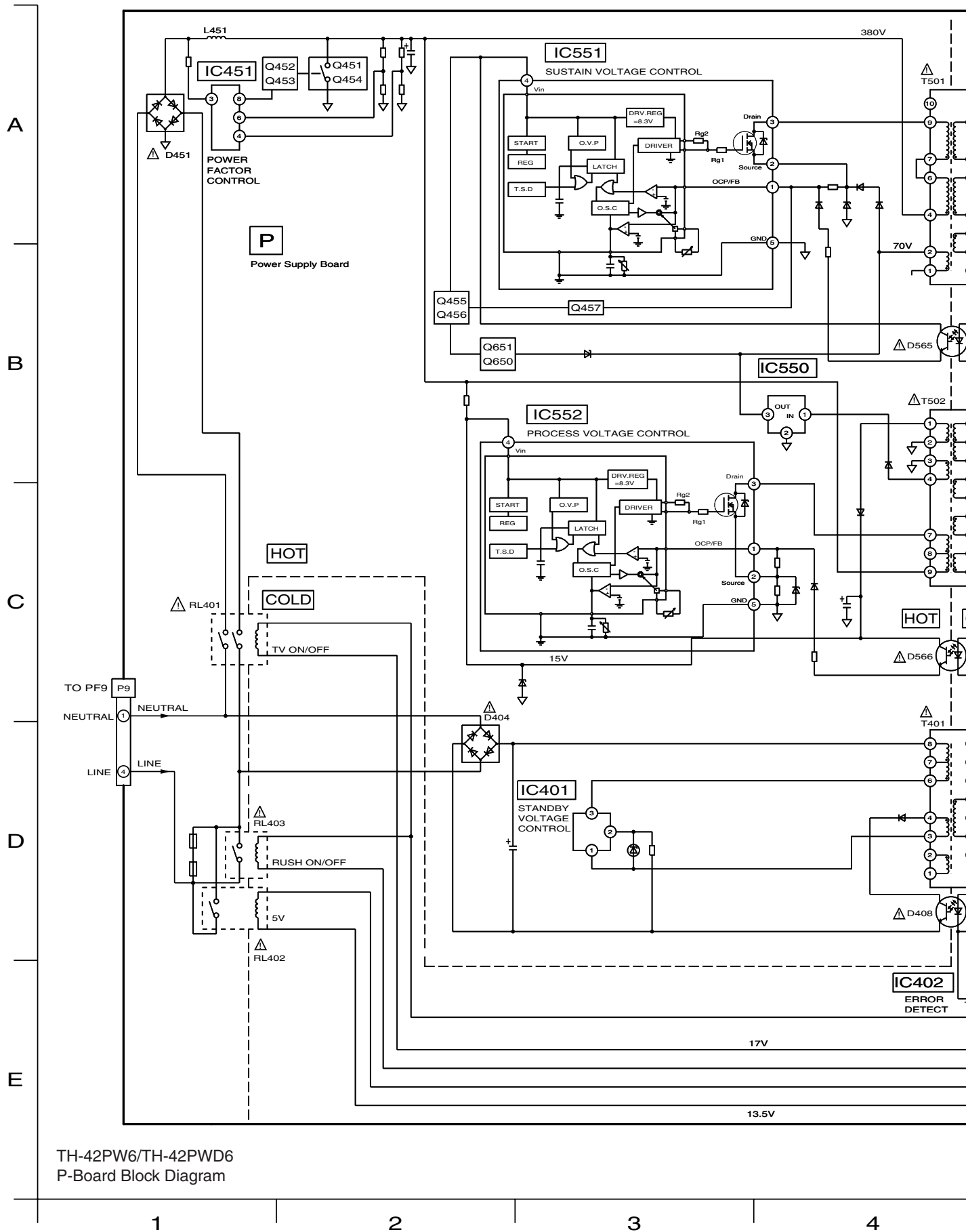
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6

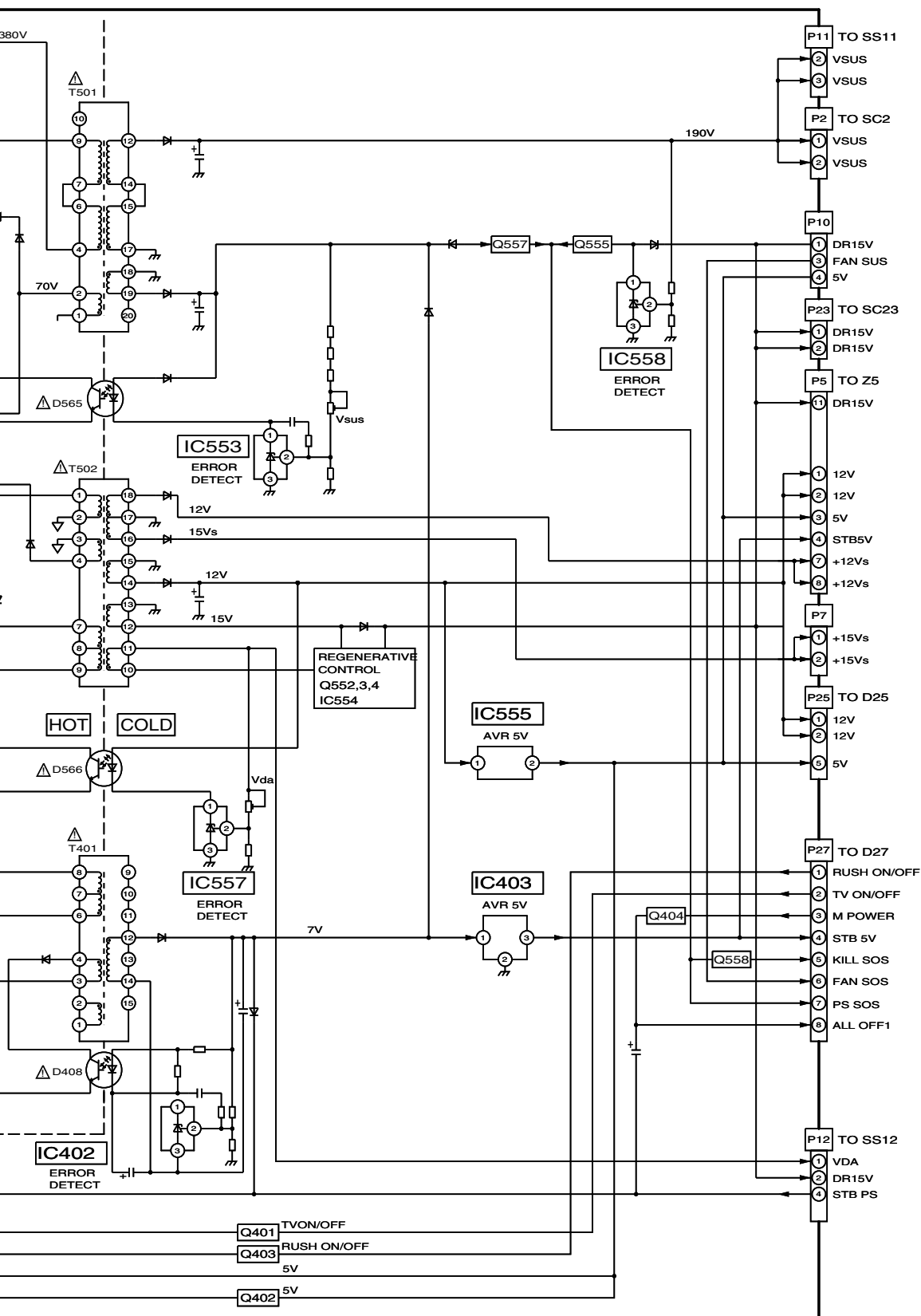
7

8

14.5. P-Board Block Diagram



TH-42PW6/TH-42PWD6
P-Board Block Diagram



TH-42PW6/TH-42PWD6
P-Board Block Diagram

14.6. P-Board (1 of 2) Schematic Diagram

A


B

C

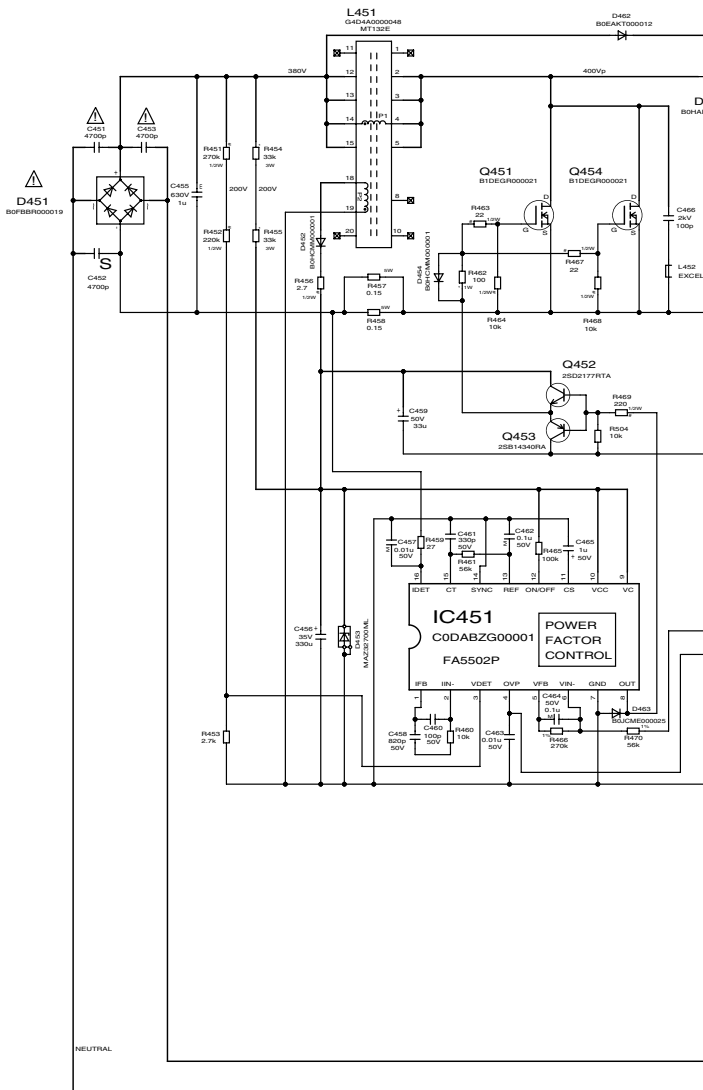
D

E

F

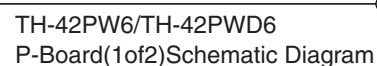


P-BOARD TNPA2841 (1/2)

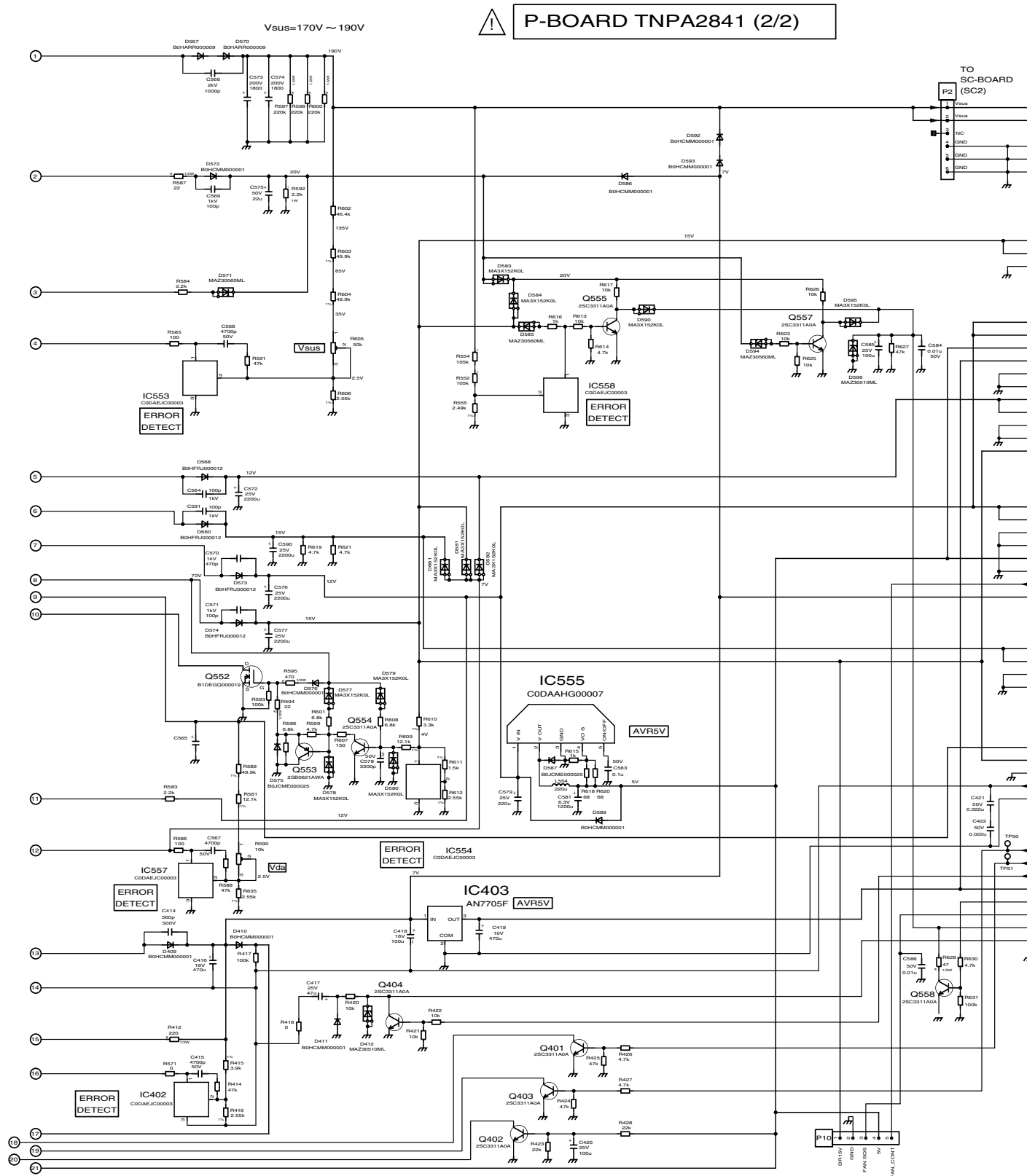


TH-42PW6/TH-42PWD6
P-Board(1of2)Schematic Diagram

1 2 3 4 5



14.7. P-Board (2 of 2) Schematic Diagram



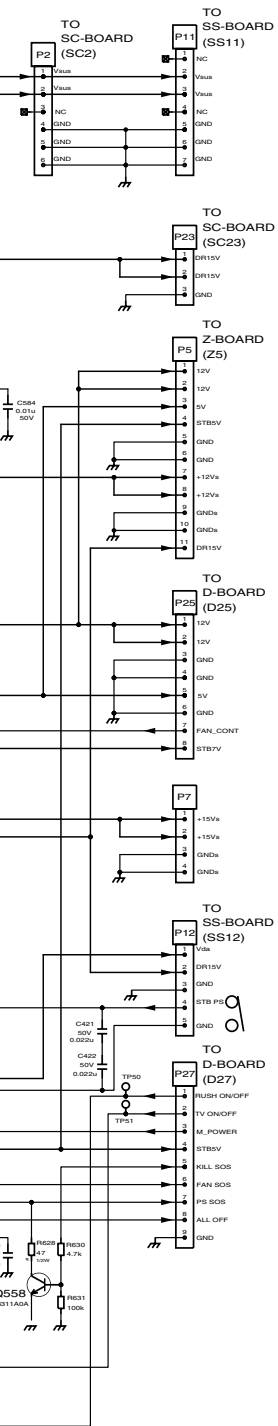
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11

12

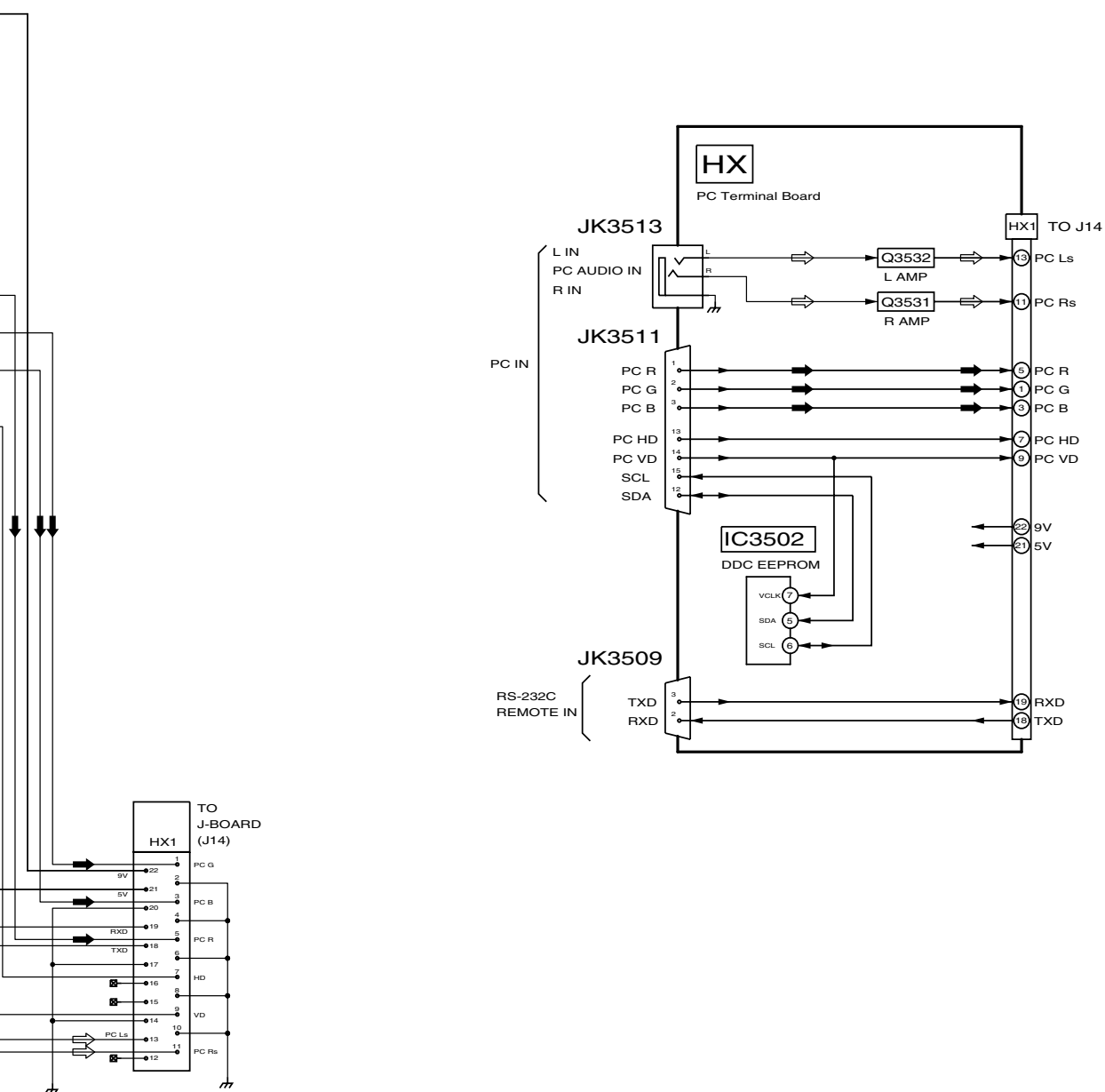
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14



TH-42PW6/TH-42PWD6
P-Board(2of2)Schematic Diagram





TH-42PW6/TH-42PWD6
HX-Board Schematic Diagram

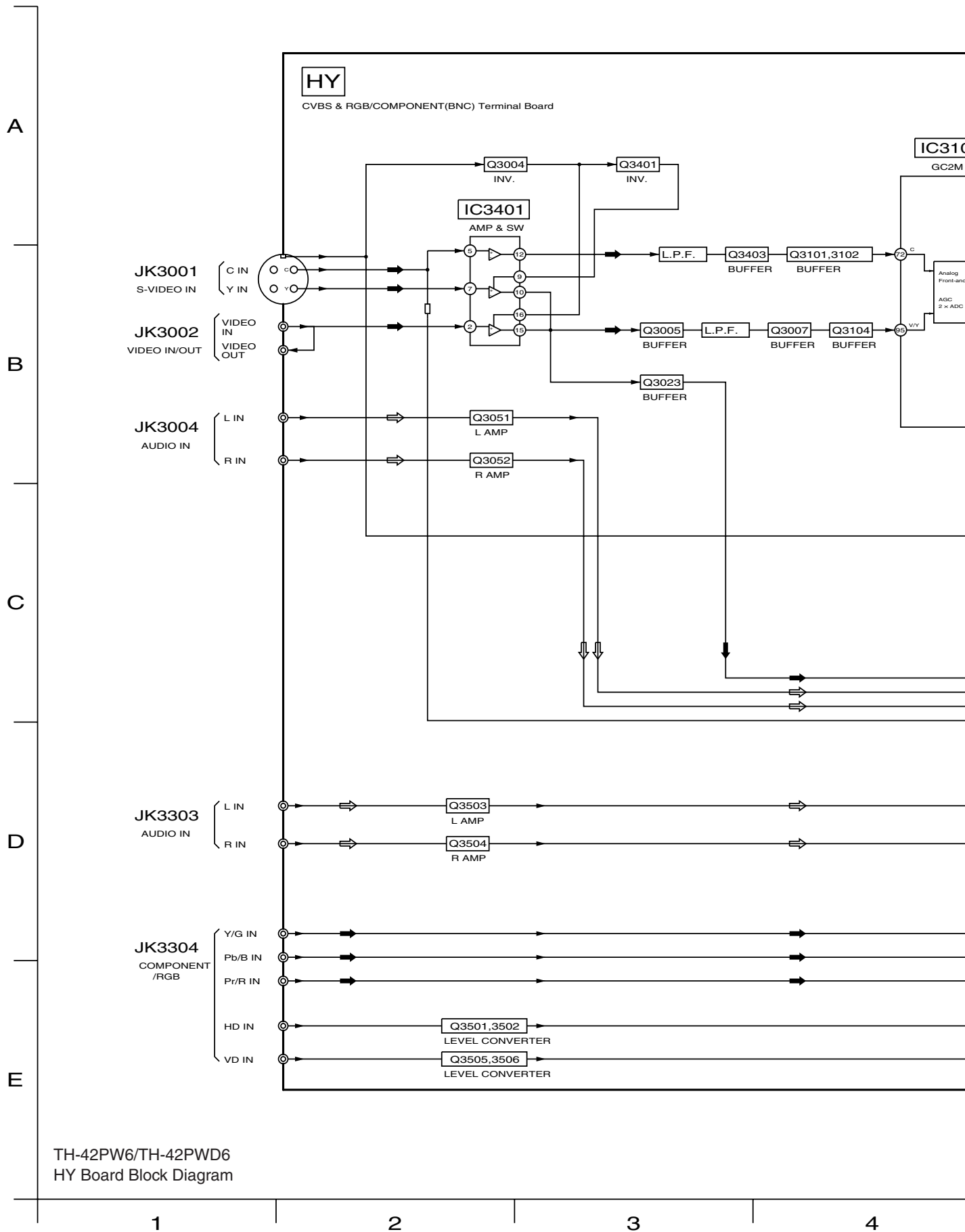
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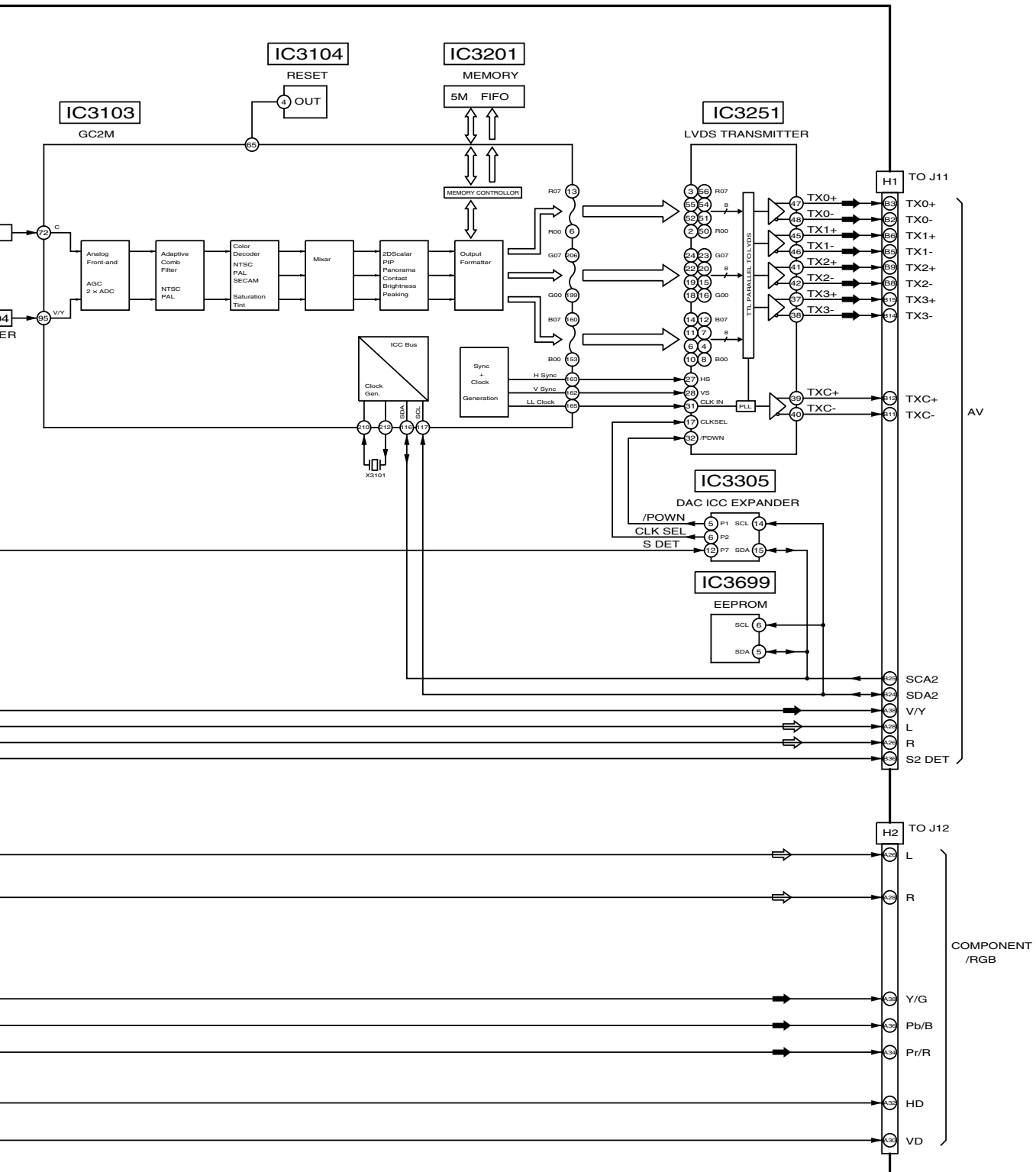
7

8

14.9. HY-Board Block Diagram



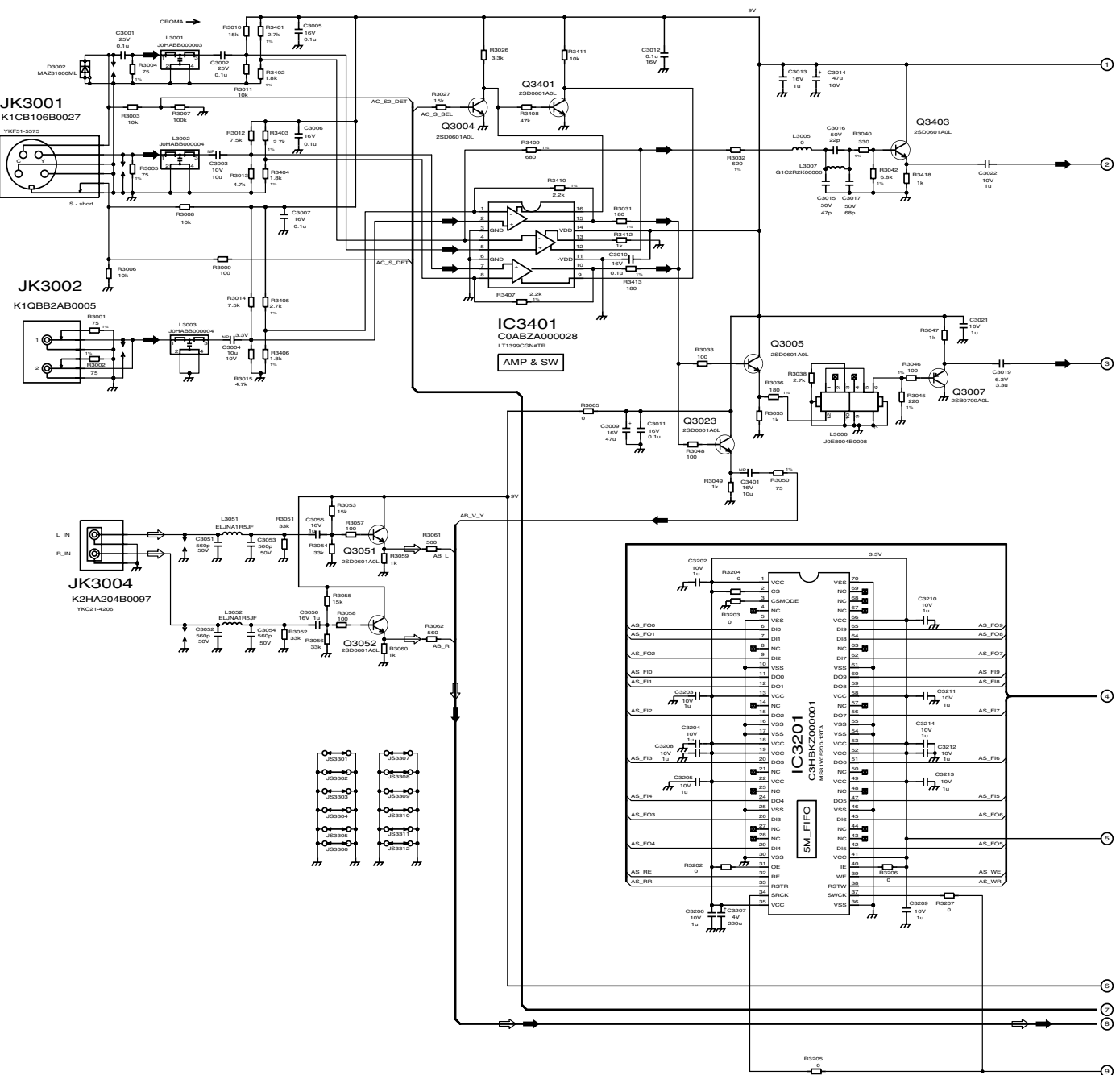
TH-42PW6/TH-42PWD6
HY Board Block Diagram



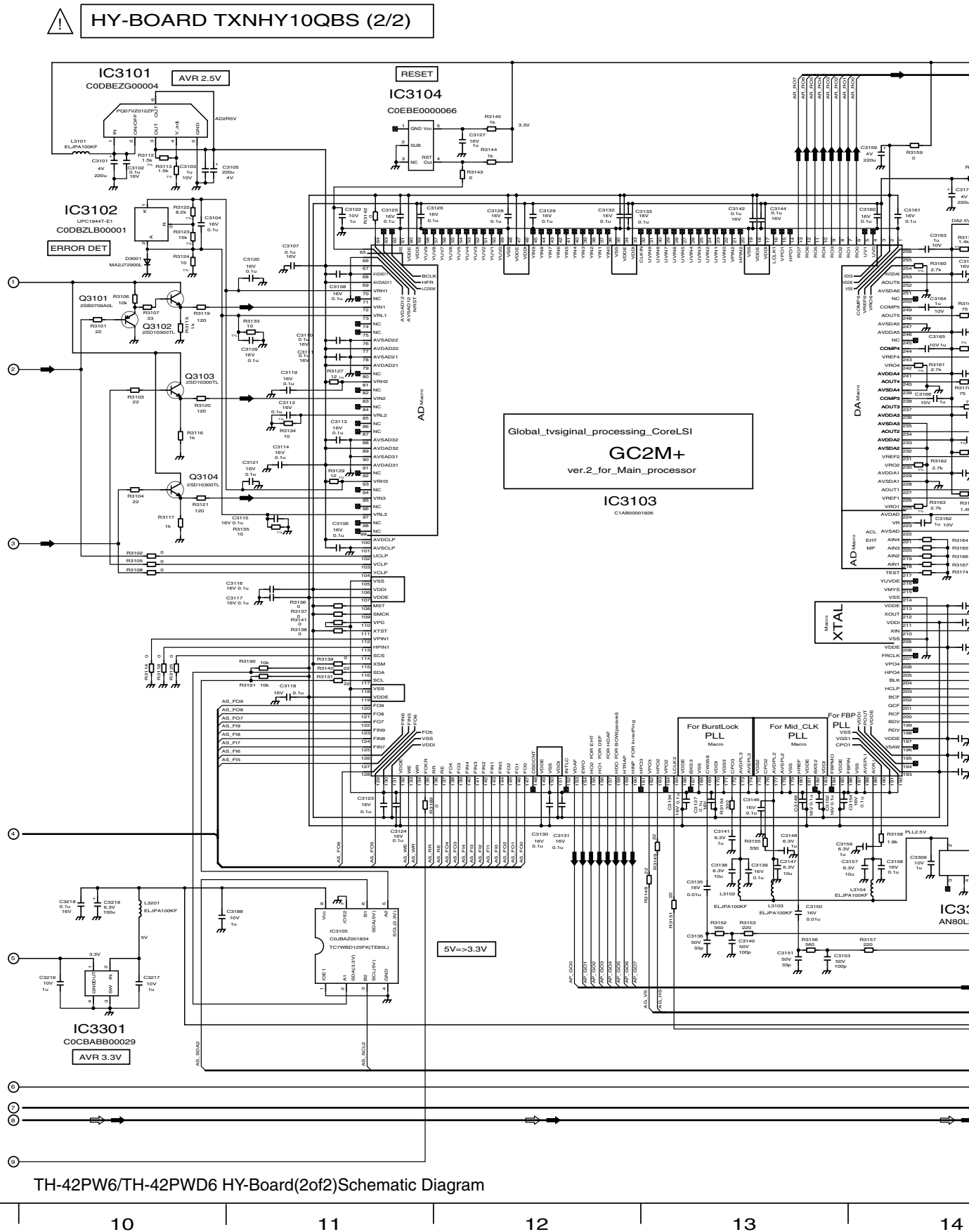
TH-42PW6/TH-42PWD6
HY Board Block Diagram

4 5 6 7 8

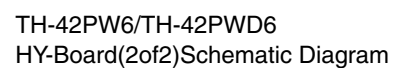




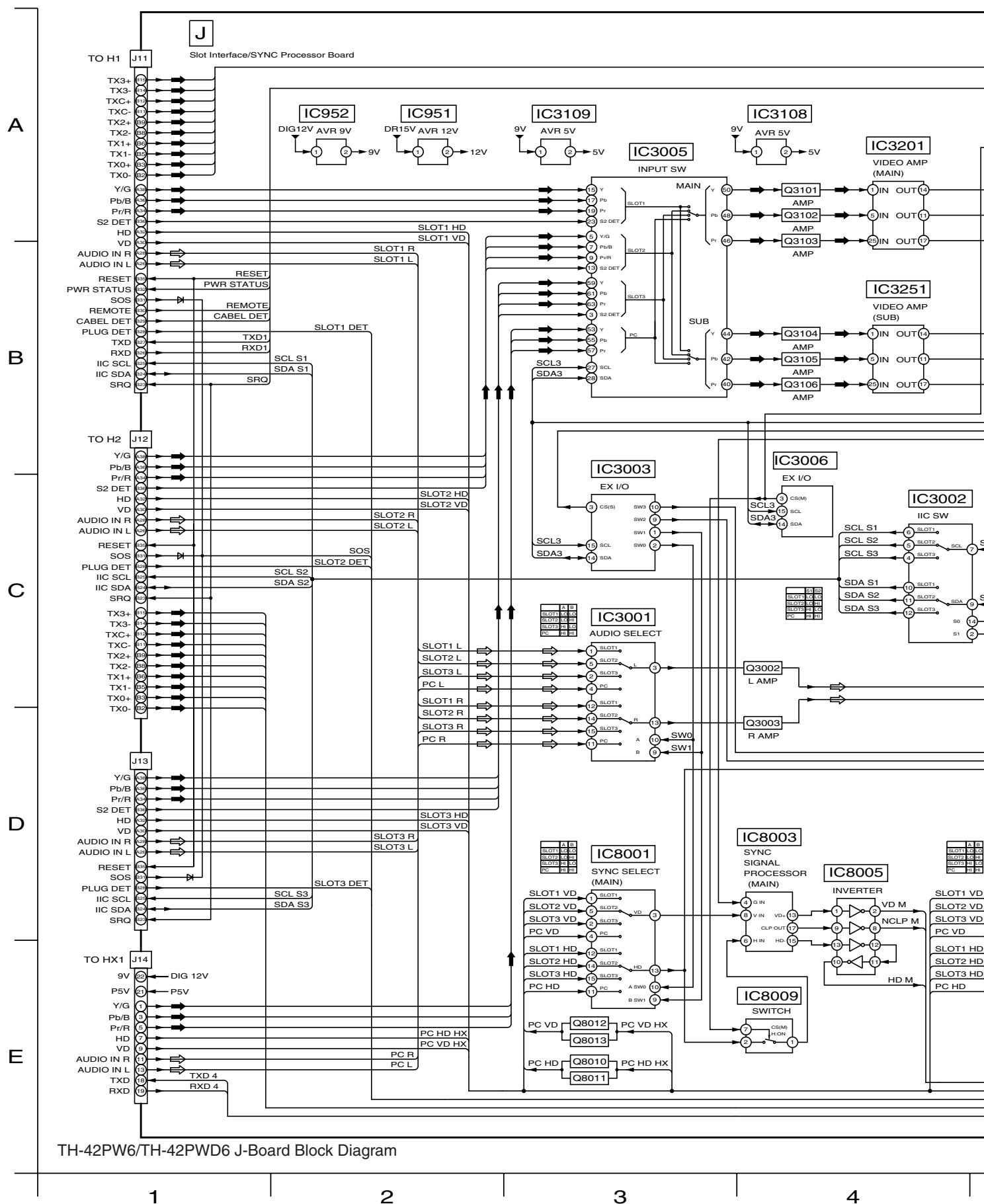
14.11. HY-Board (2 of 2) Schematic Diagram



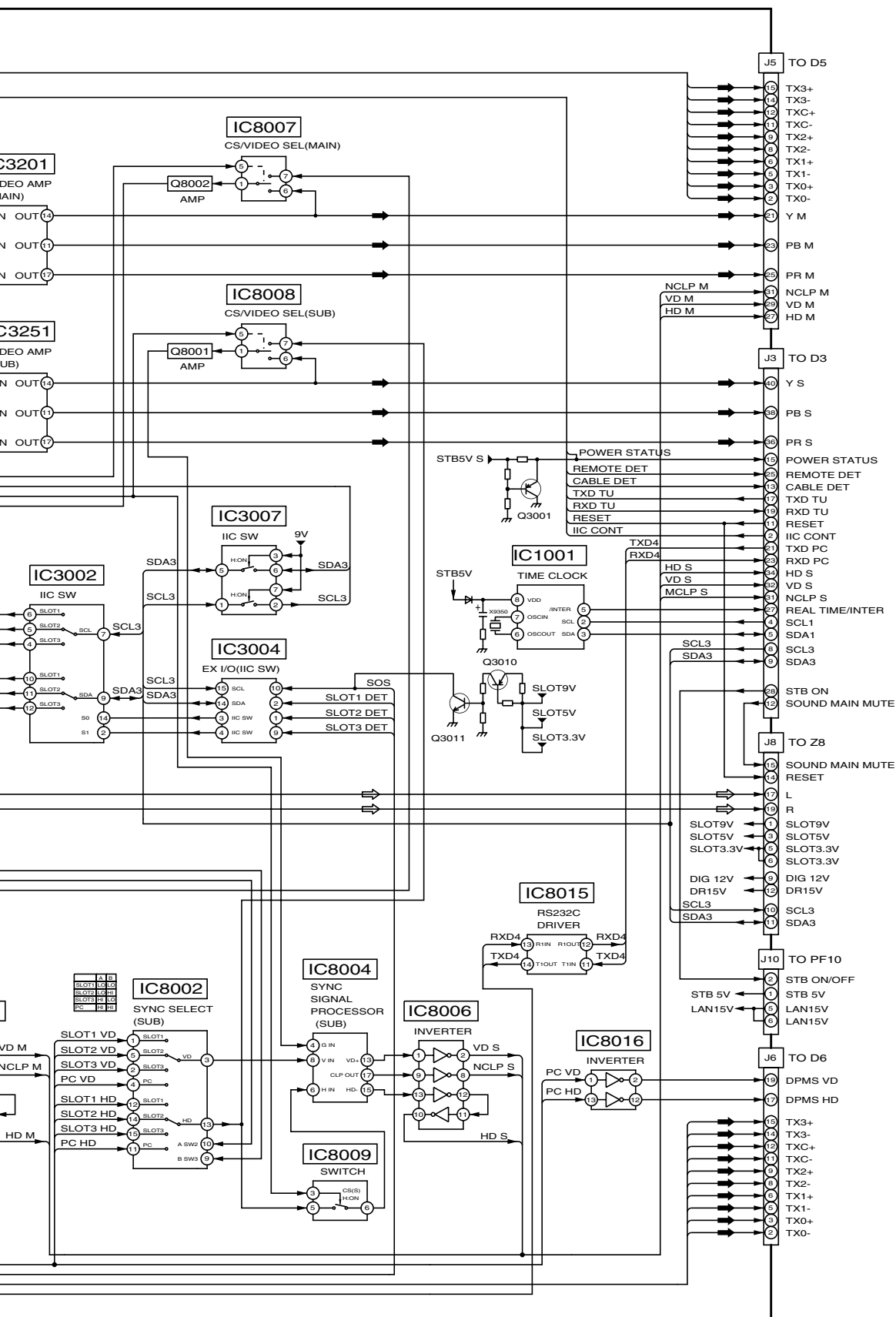
TH-42PW6/TH-42PWD6 HY-Board(2of2)Schematic Diagram



14.12. J-Board Block Diagram



TH-42PW6/TH-42PWD6 J-Board Block Diagram



TH-42PW6/TH-42PWD6 J-Board Block Diagram

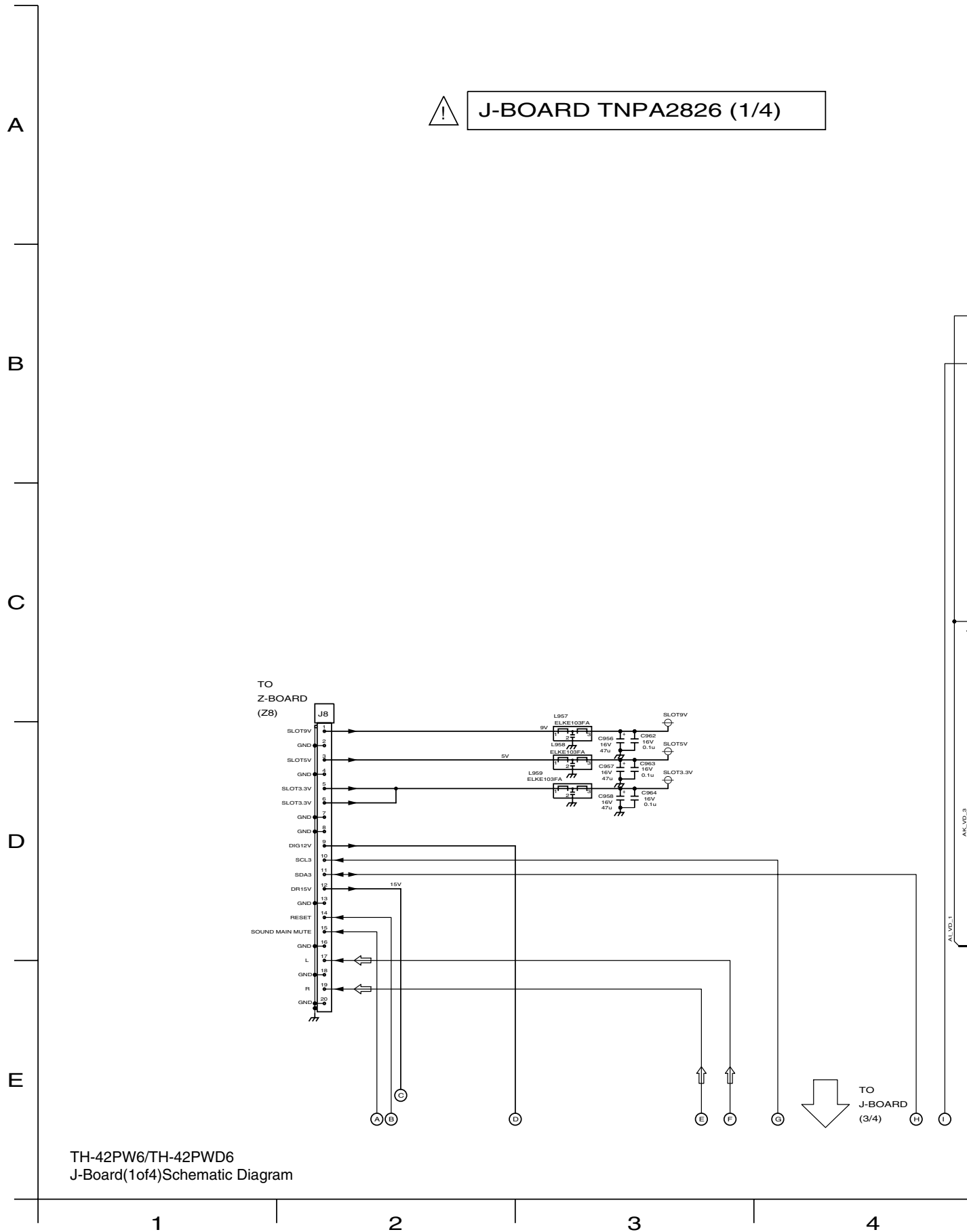
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7

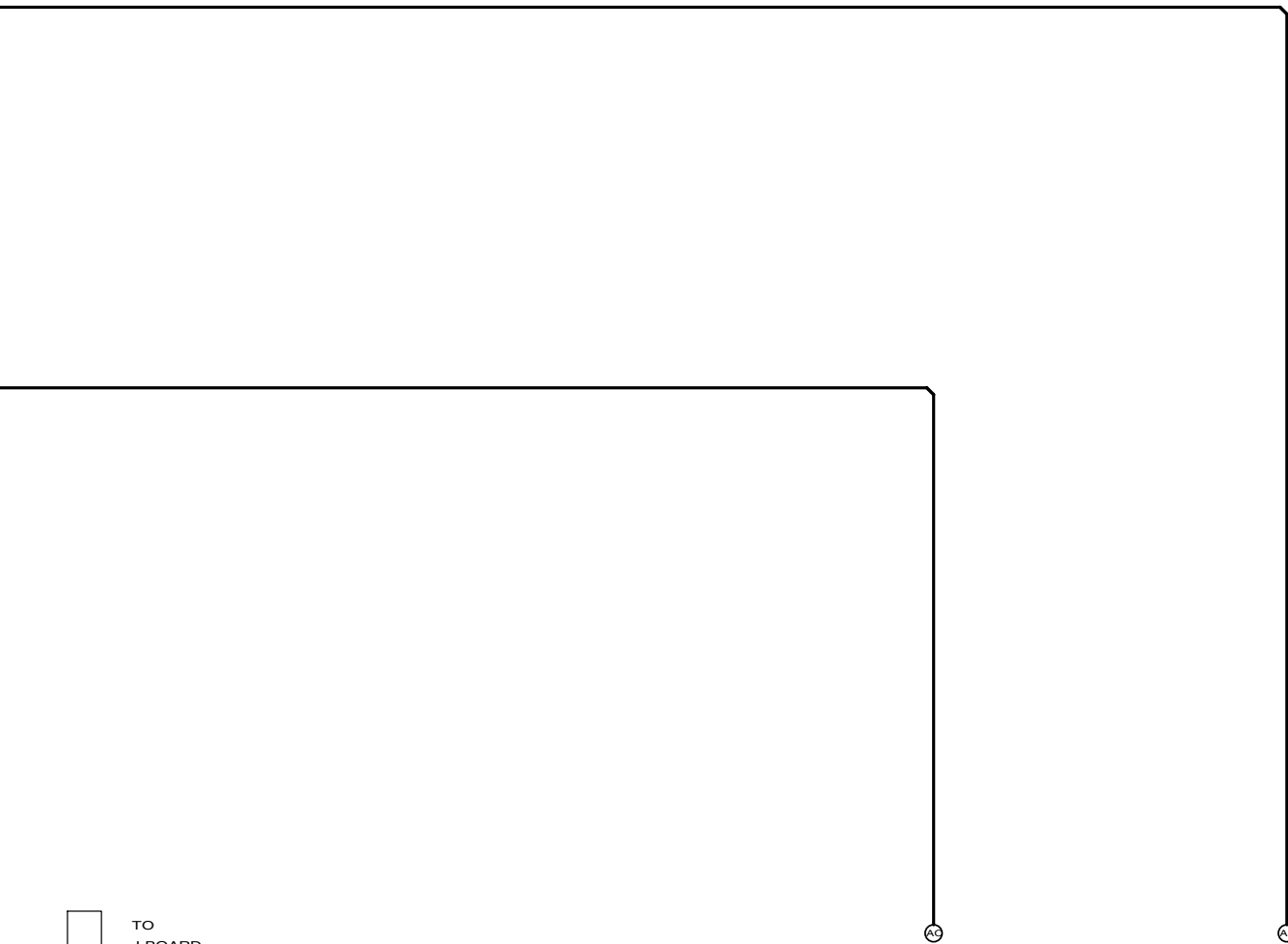
8

14.13. J-Board (1 of 4) Schematic Diagram





TC
J-1
(4.



↓
TO
J-BOARD
(4/4)

TH-42PW6/TH-42PWD6
J-Board(2of4)Schematic Diagram

12

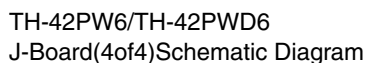
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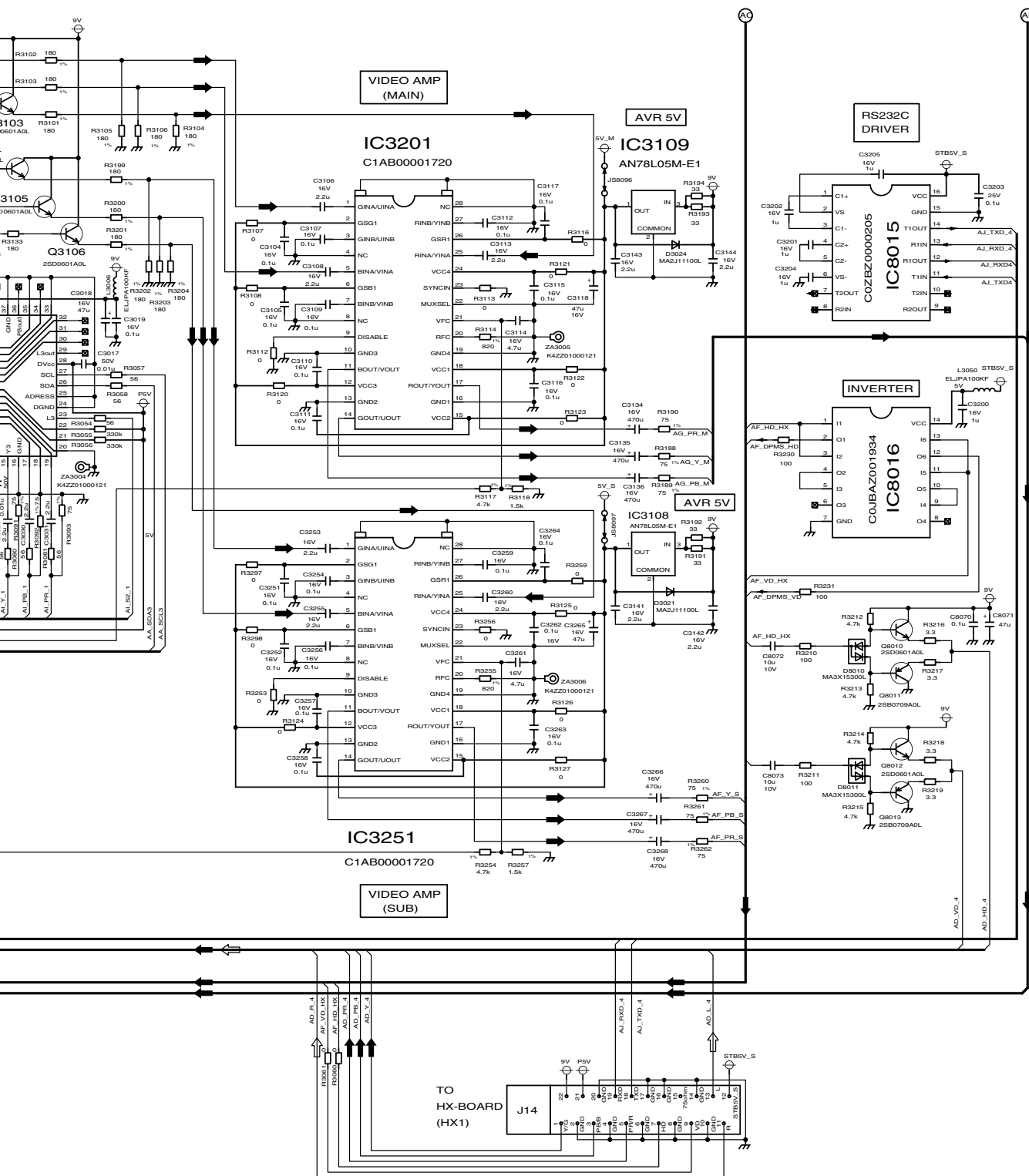
14

15









J-BOARD TNPA2826 (4/4)

TH-42PW6/TH-42PWD6
J-Board(4of4)Schematic Diagram

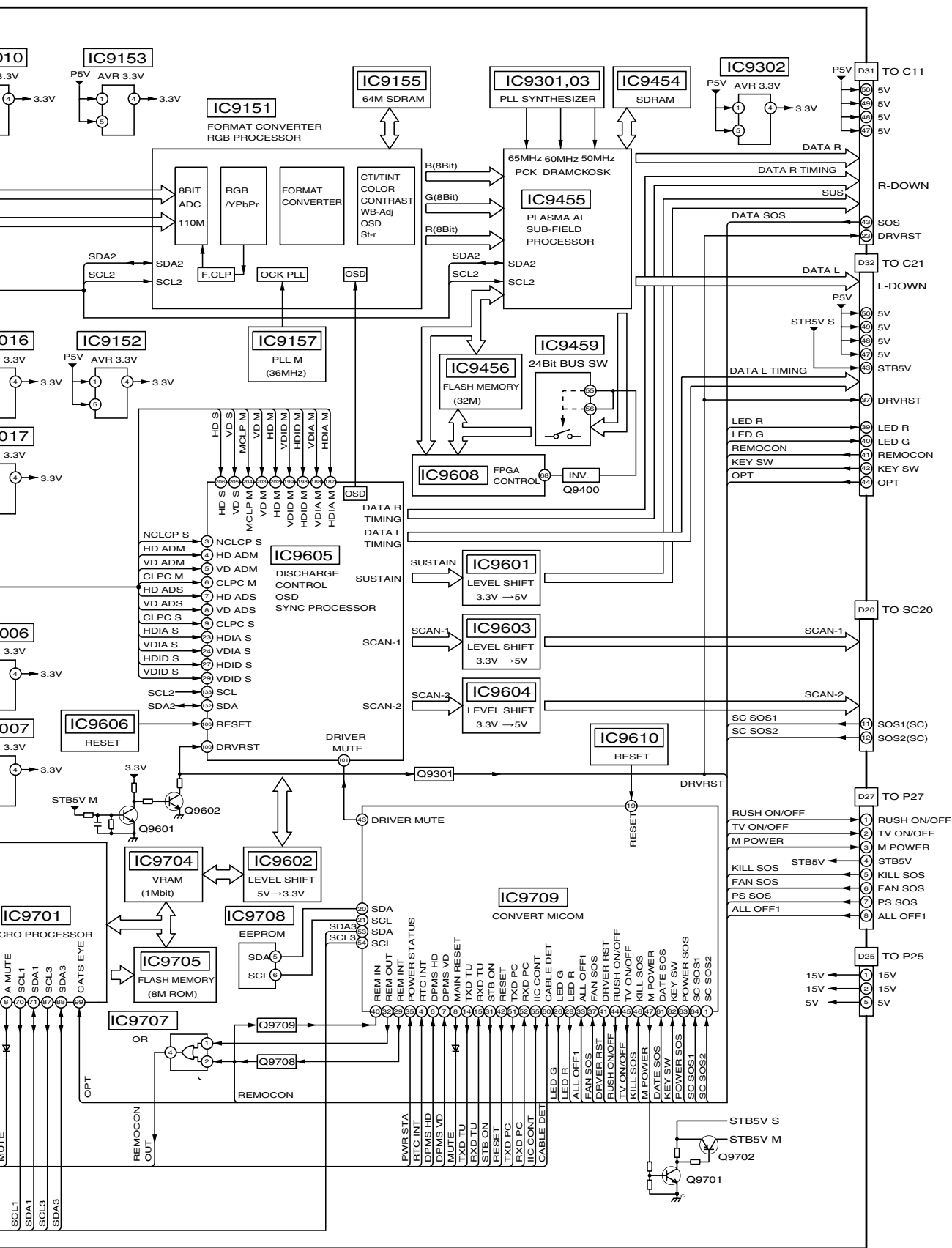
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13

14

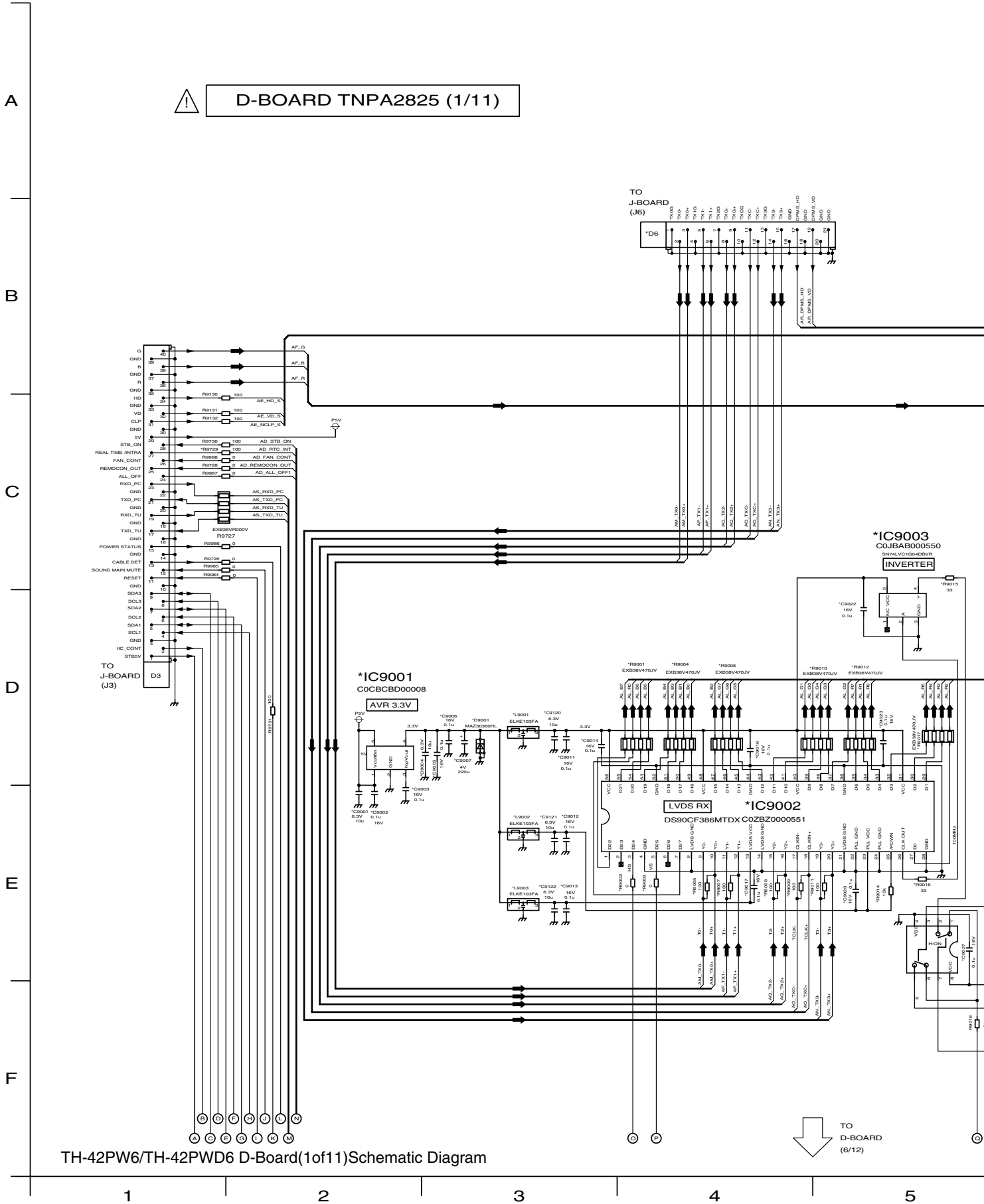
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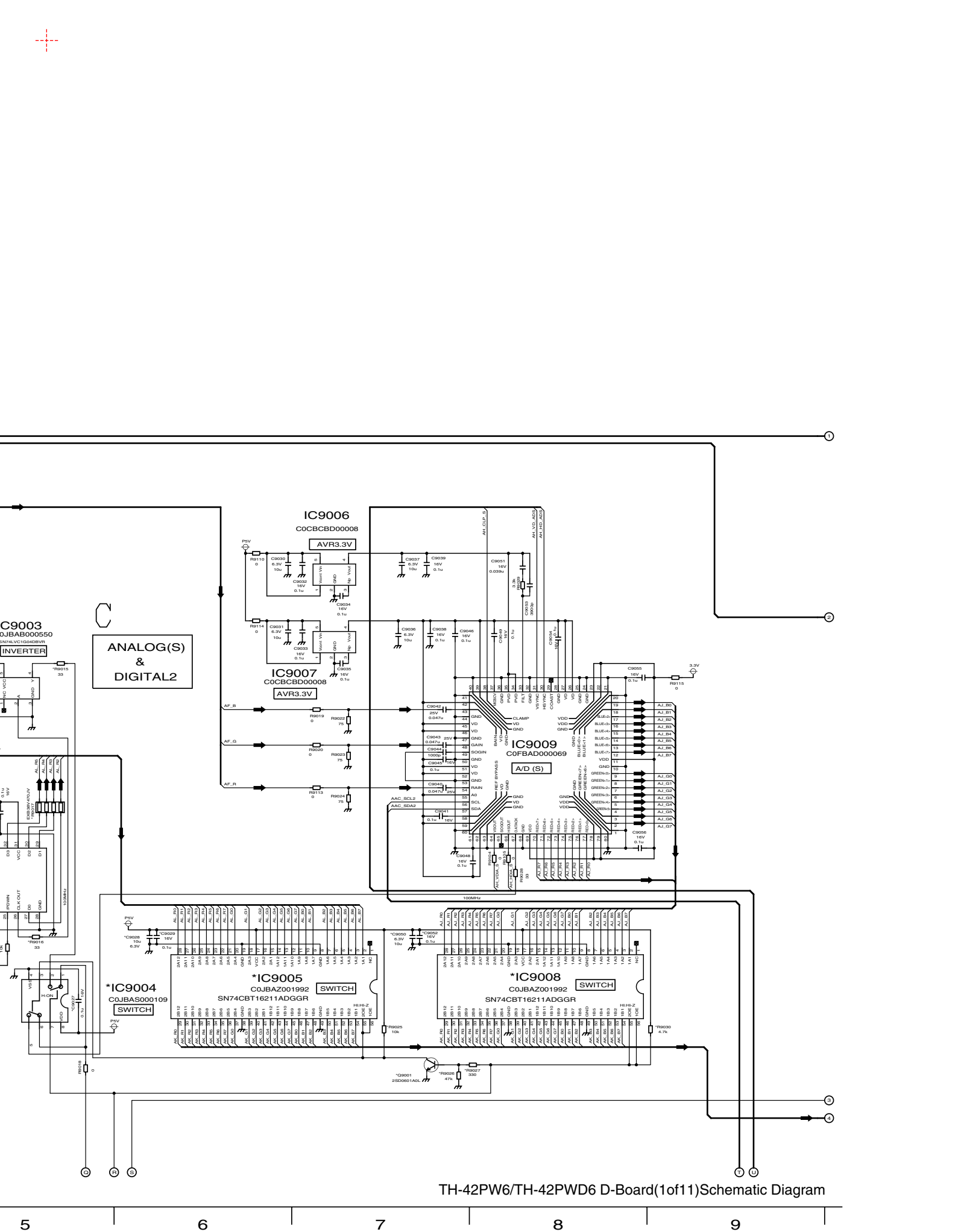




TH-42PW6/TH-42PWD6 D-Board Block Diagram

14.18. D-Board (1 of 11) Schematic Diagram



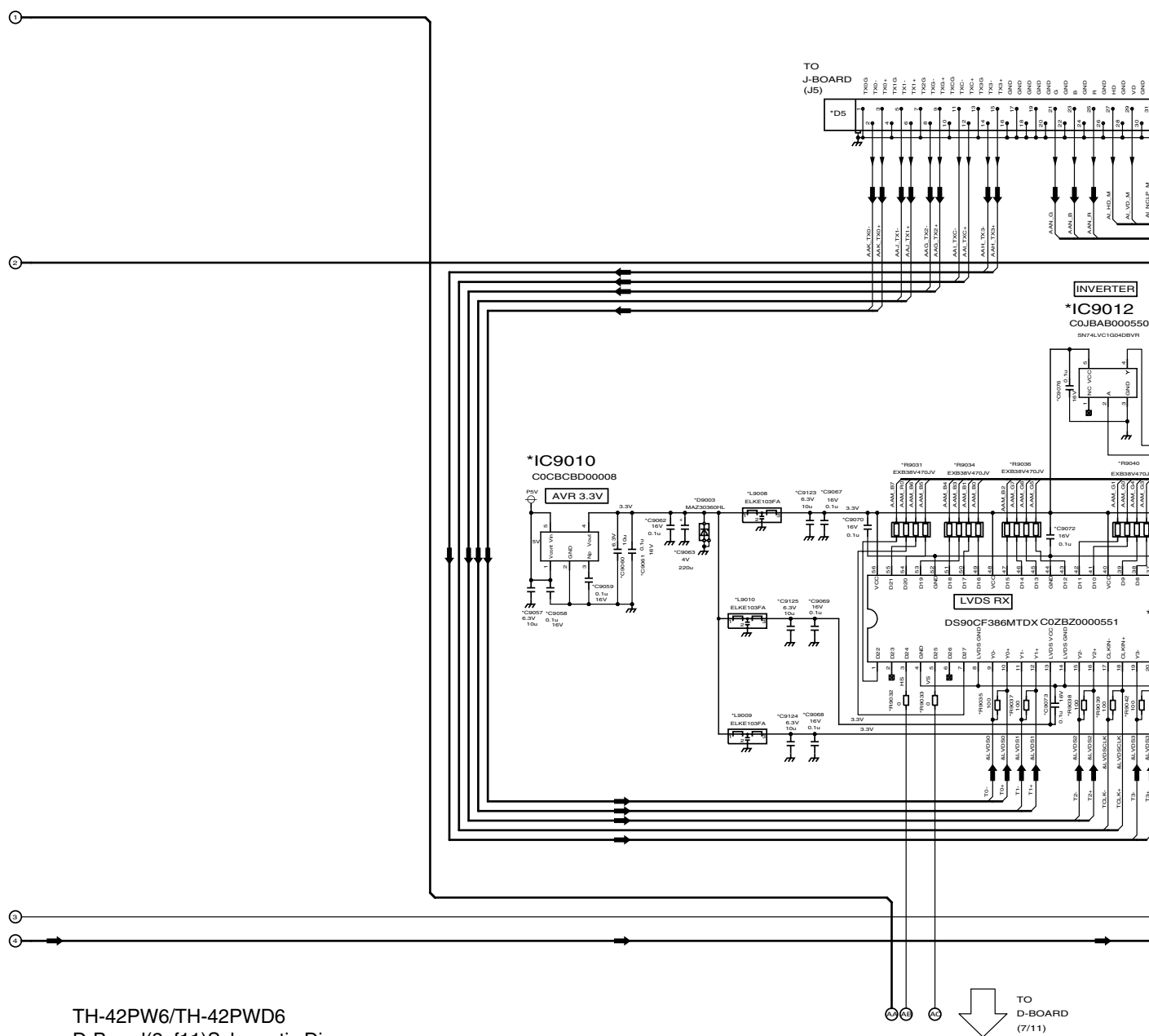


TH-42PW6/TH-42PWD6 D-Board(1of11)Schematic Diagram

14.19. D-Board (2 of 11) Schematic Diagram



D-BOARD TNPA2825 (2/11)



TH-42PW6/TH-42PWD6
D-Board(2of11)Schematic Diagram

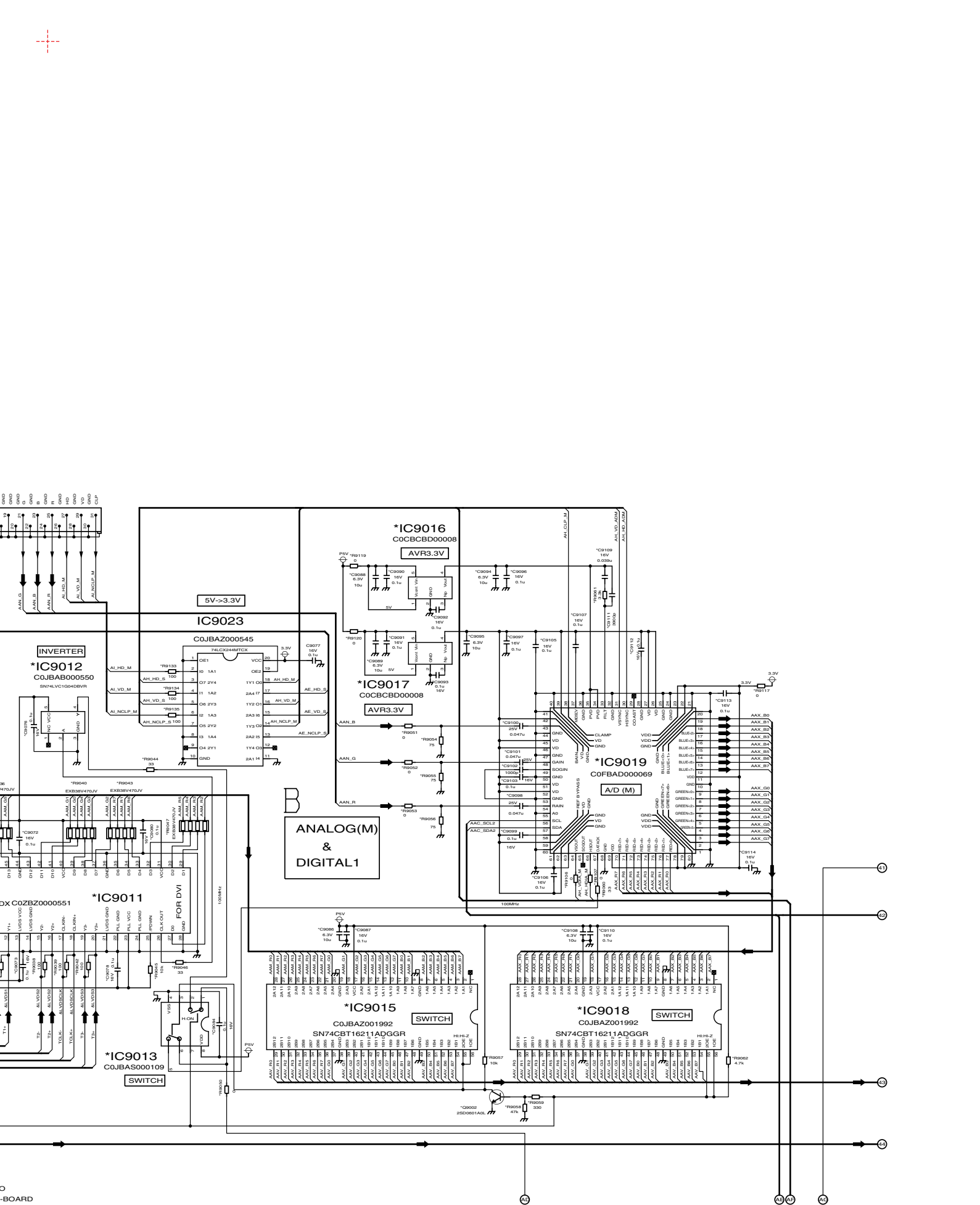
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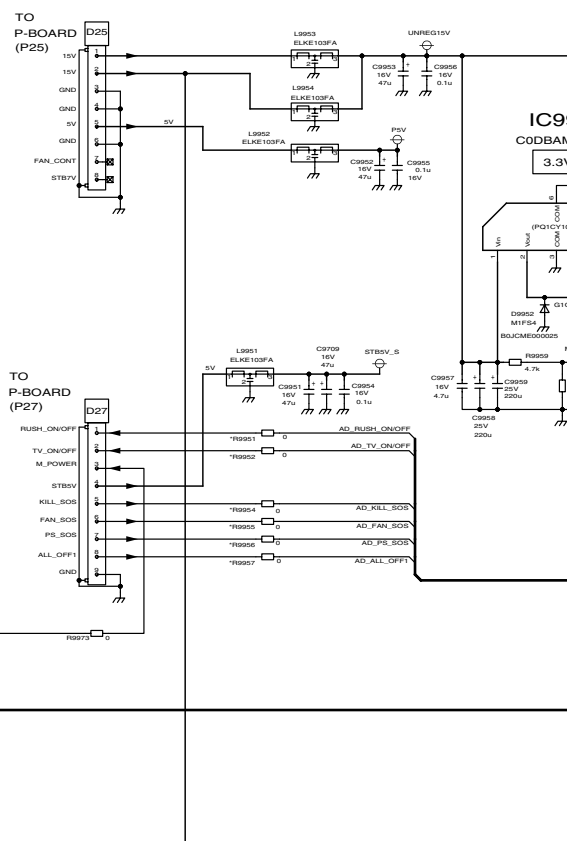
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13

14

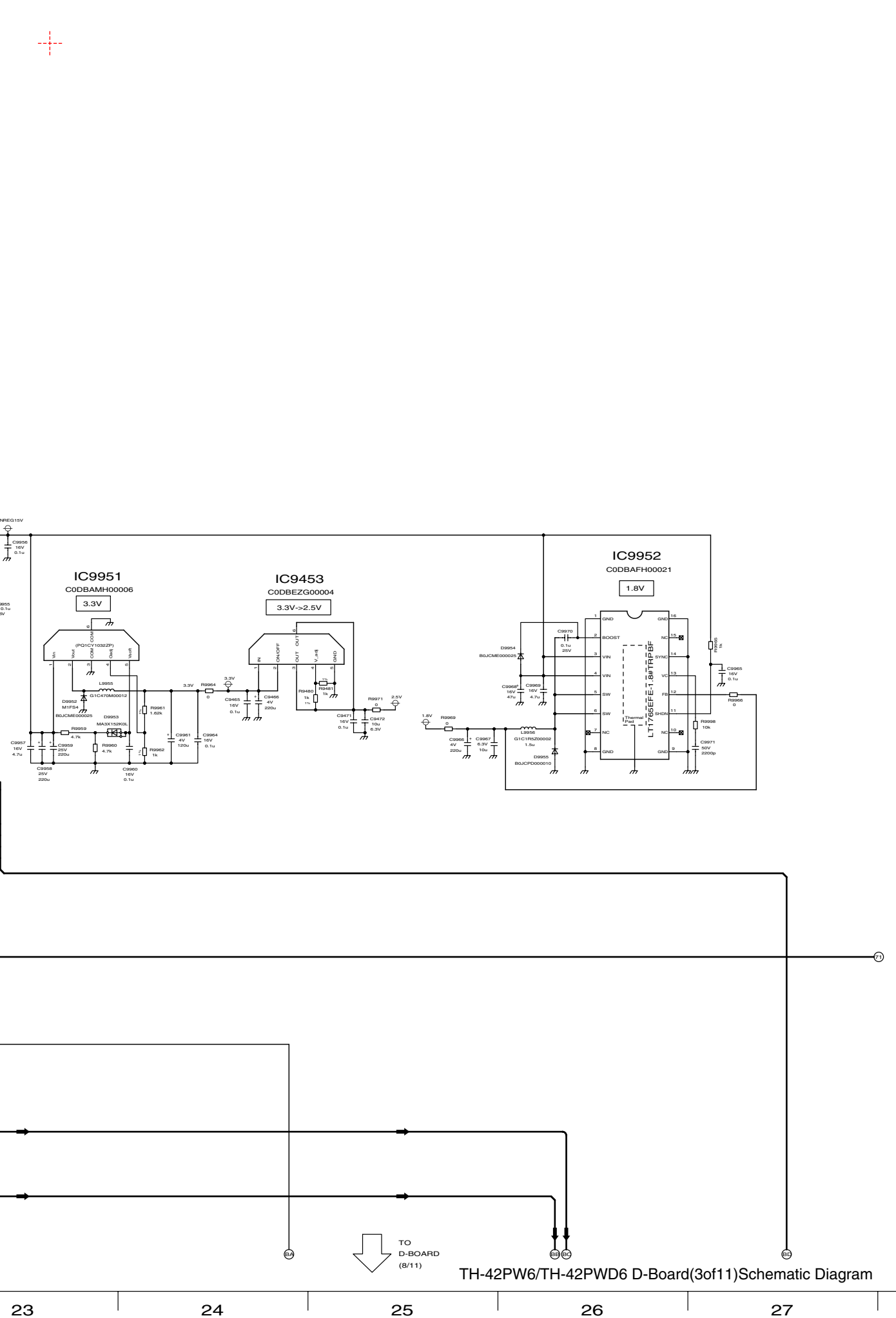


TH-42PW6/TH-42PWD6 D-Board(2of11)Schematic Diagram



44

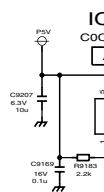
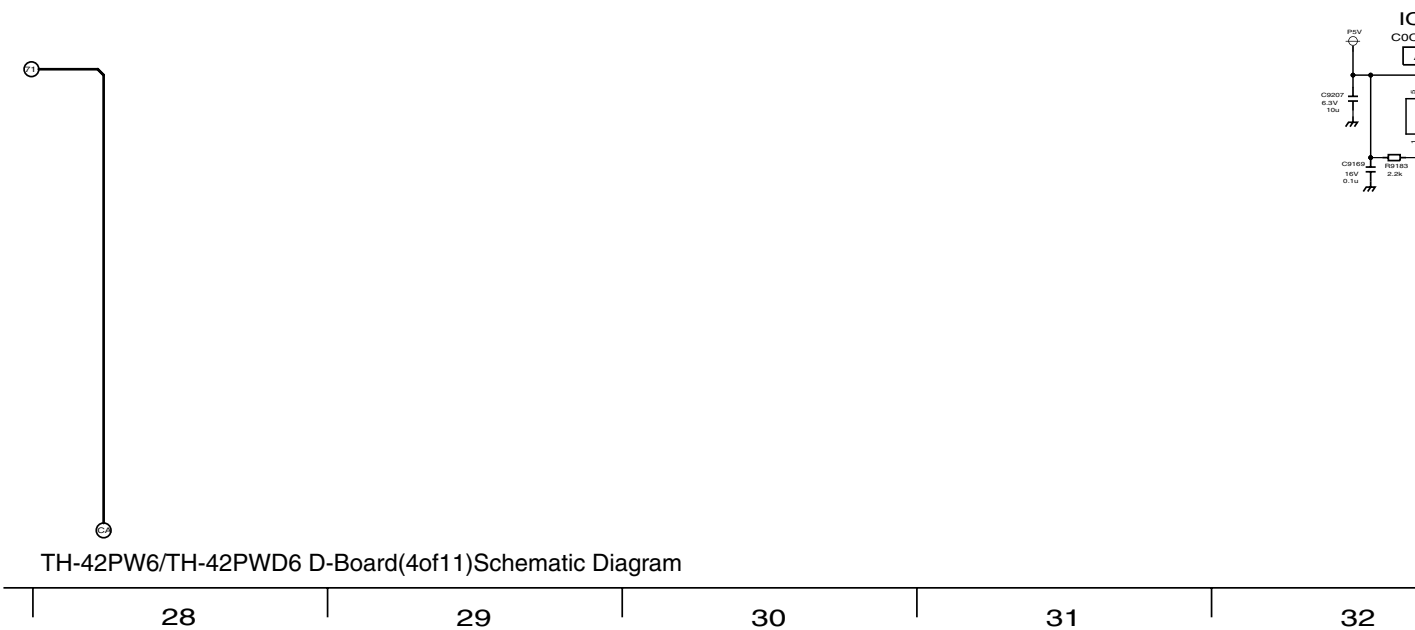
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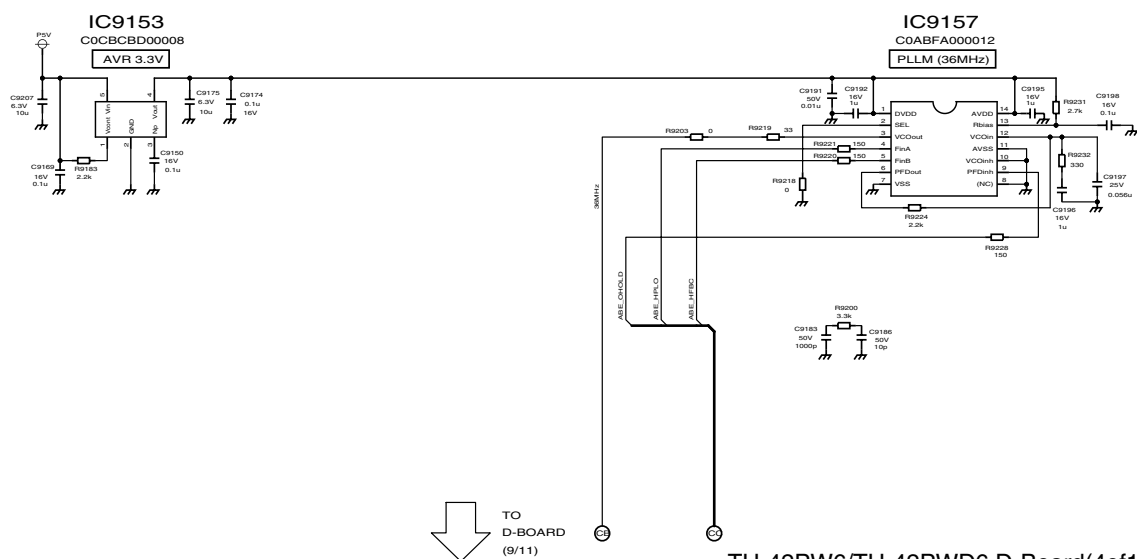




14.21. D-Board (4 of 11) Schematic Diagram

 D-BOARD TNPA2825 (4/11)







TO
D-BOARD
(11/11)

DA

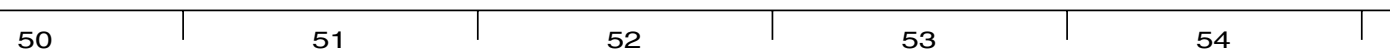
DI



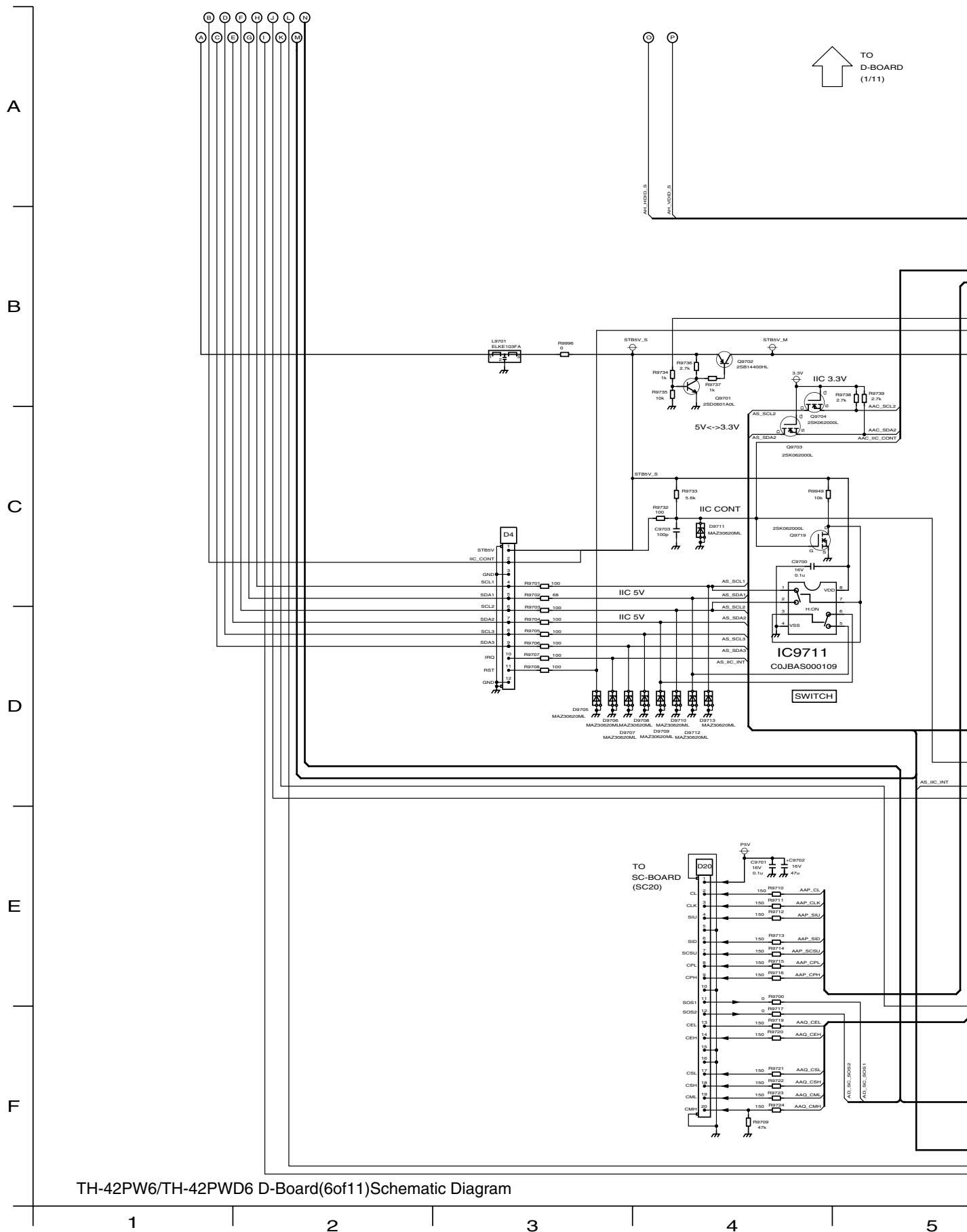
DE



TH-42PW6/TH-42PWD6
D-Board(5of11)Schematic Diagram

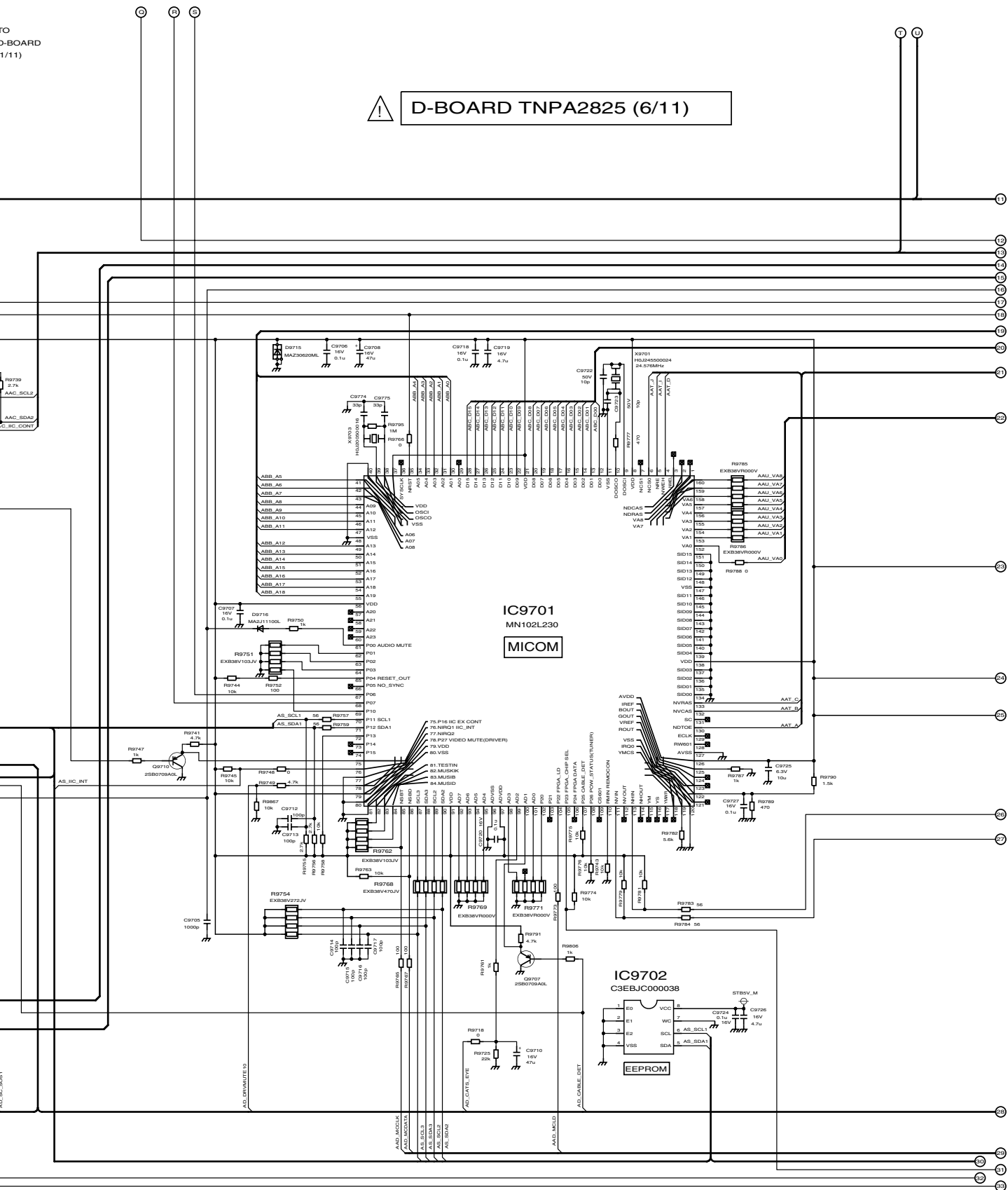


14.23. D-Board (6 of 11) Schematic Diagram





D-BOARD TNPA2825 (6/11)

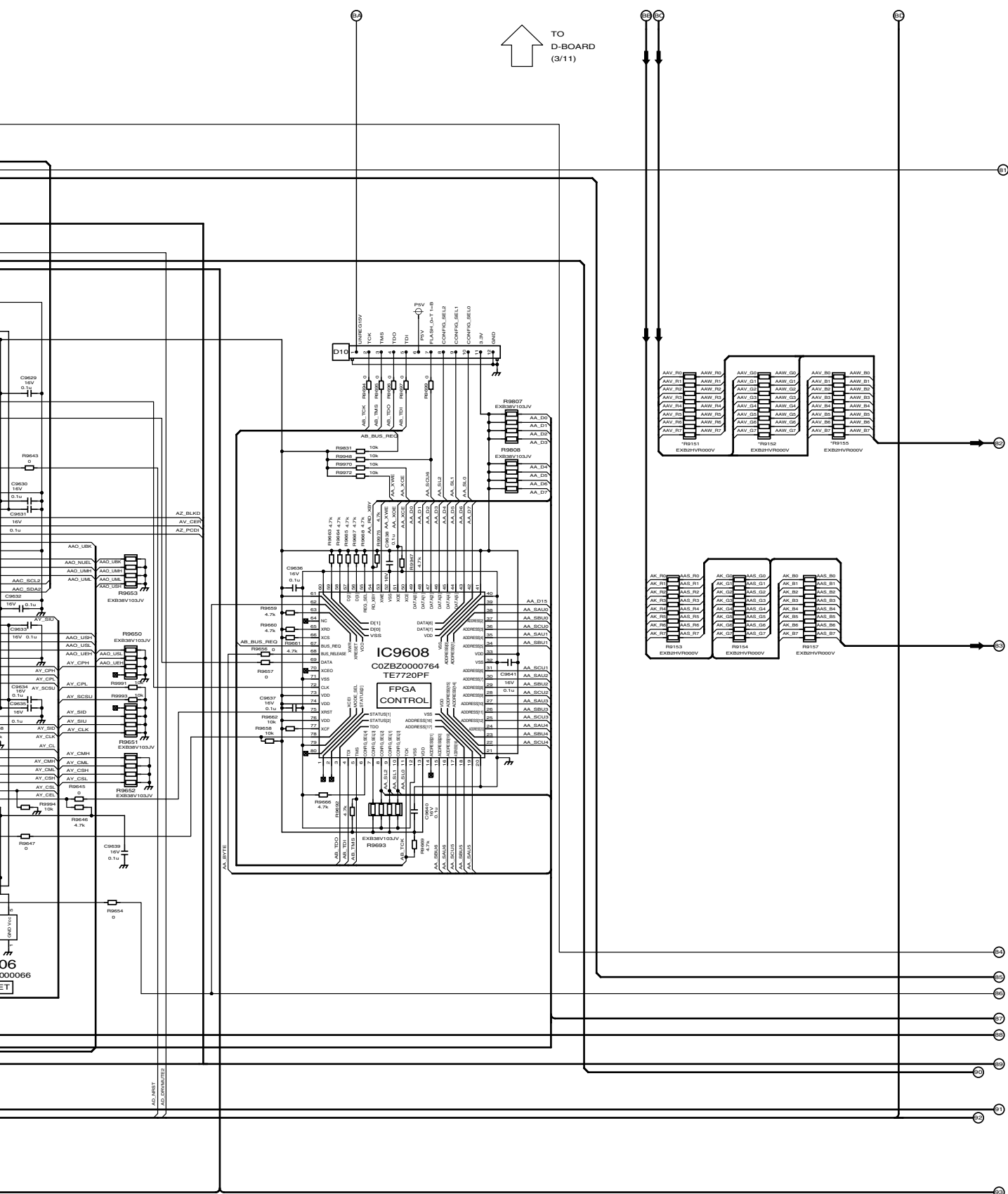


TH-42PW6/TH-42PWD6 D-Board(6of11)Schematic Diagram









TH-42PW6/TH-42PWD6 D-Board(8of11)Schematic Diagram

23

24

25

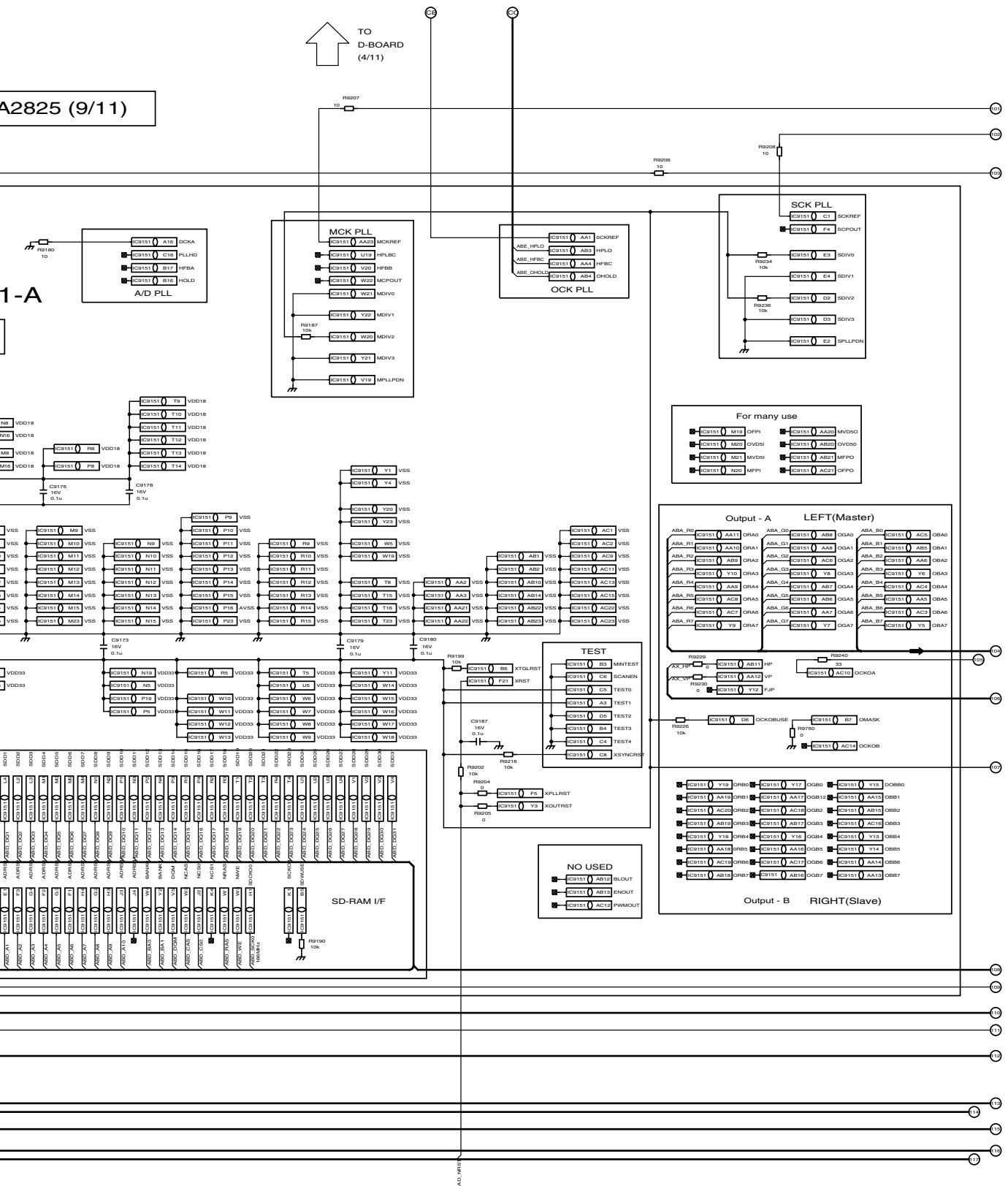
26

27



A2825 (9/11)

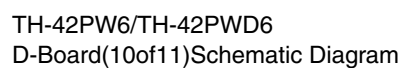
1-A



TH-42PW6/TH-42PWD6 D-Board(9of11)Schematic Diagram



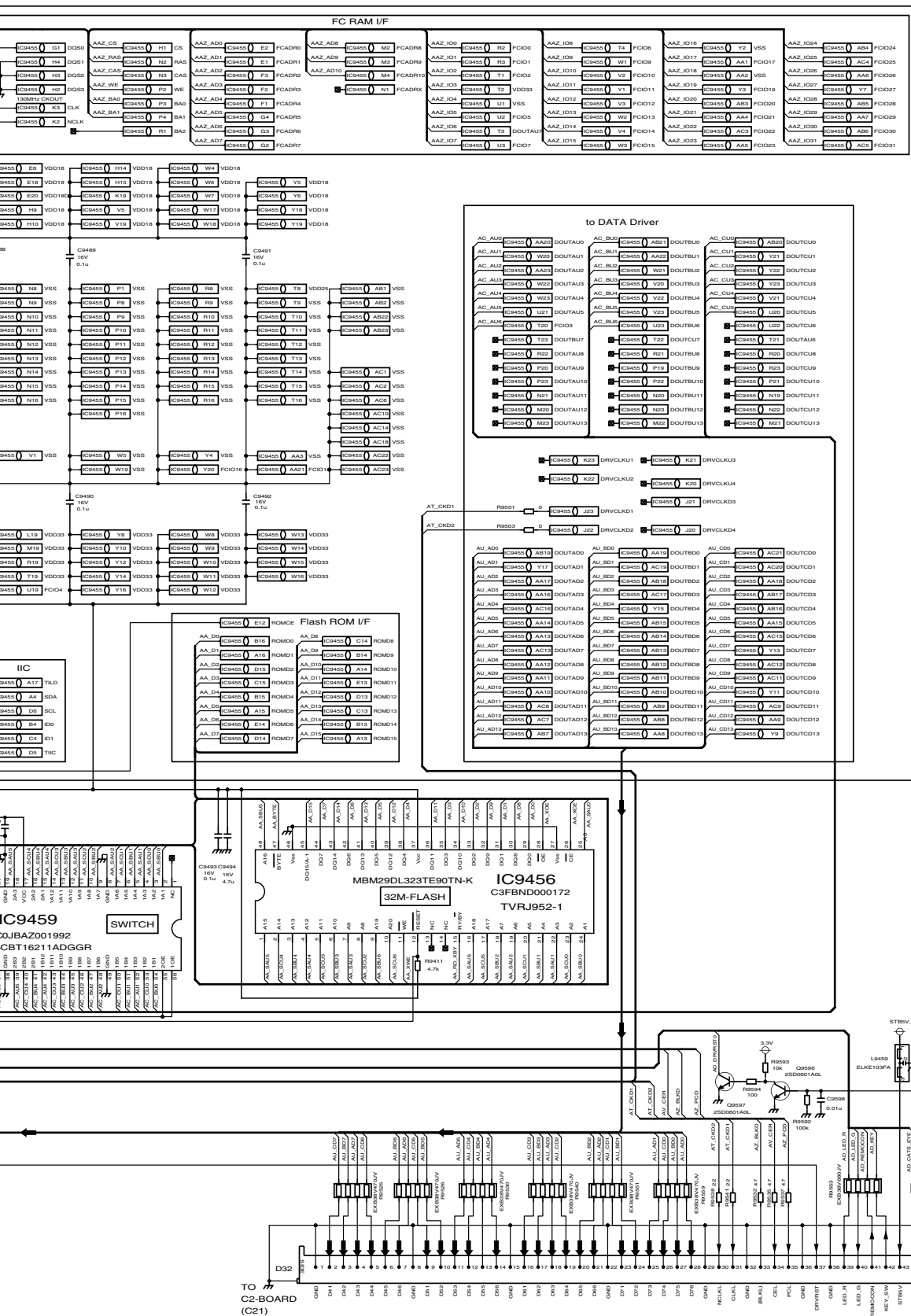
TO
C1-BO
(C11)





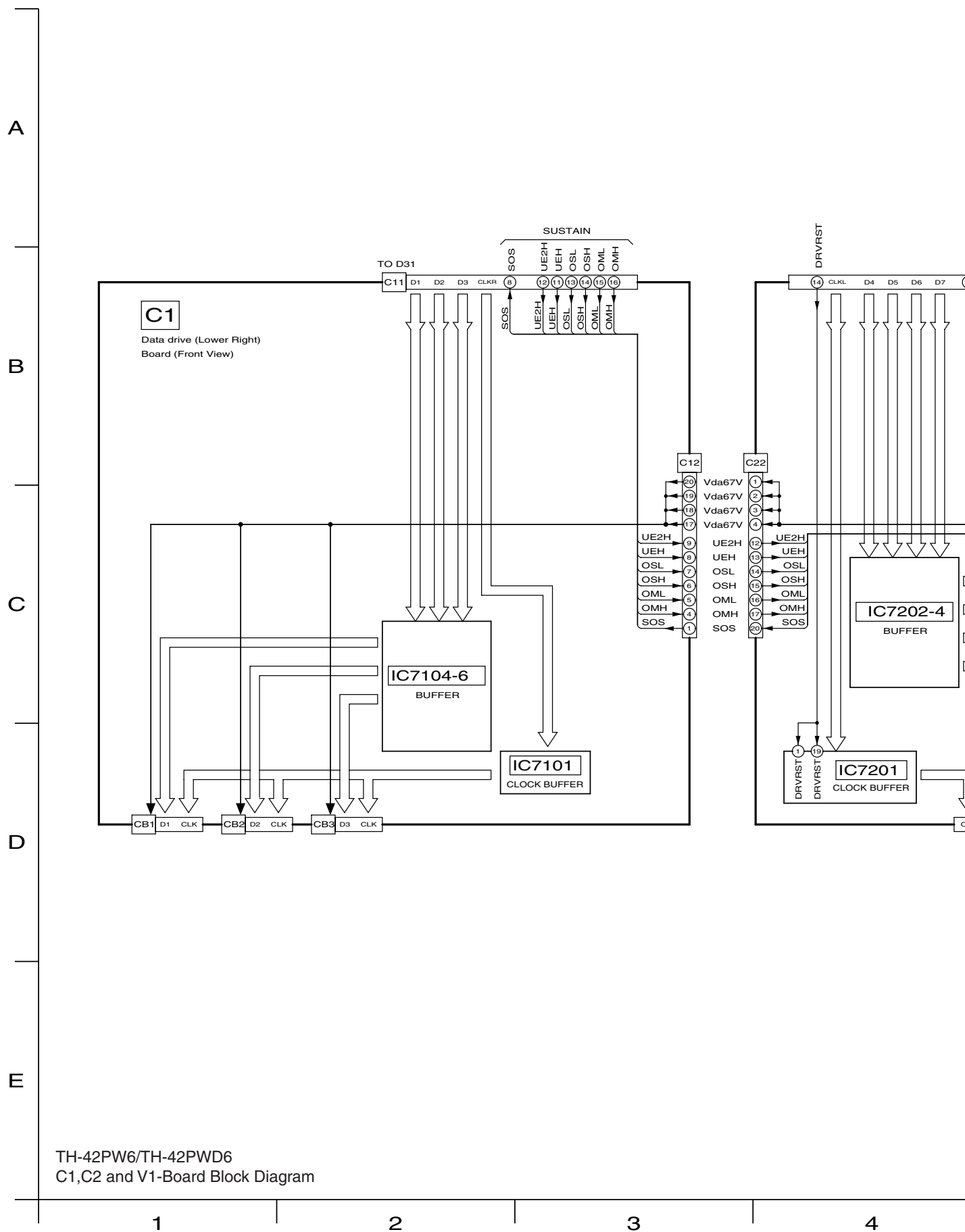
101

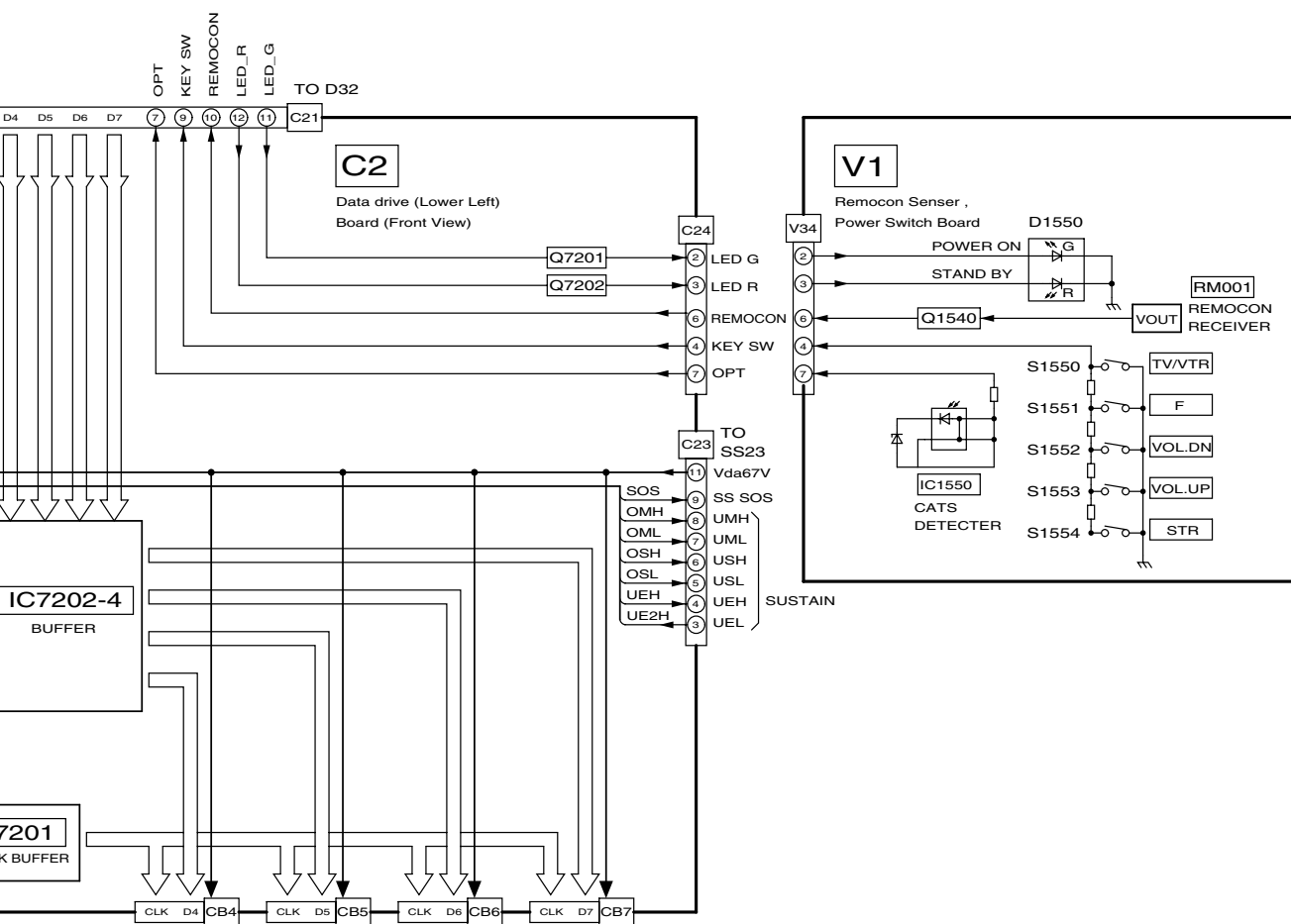
80.



TH-42PW6/TH-42PWD6 D-Board(11 of 11)Schematic Diagram

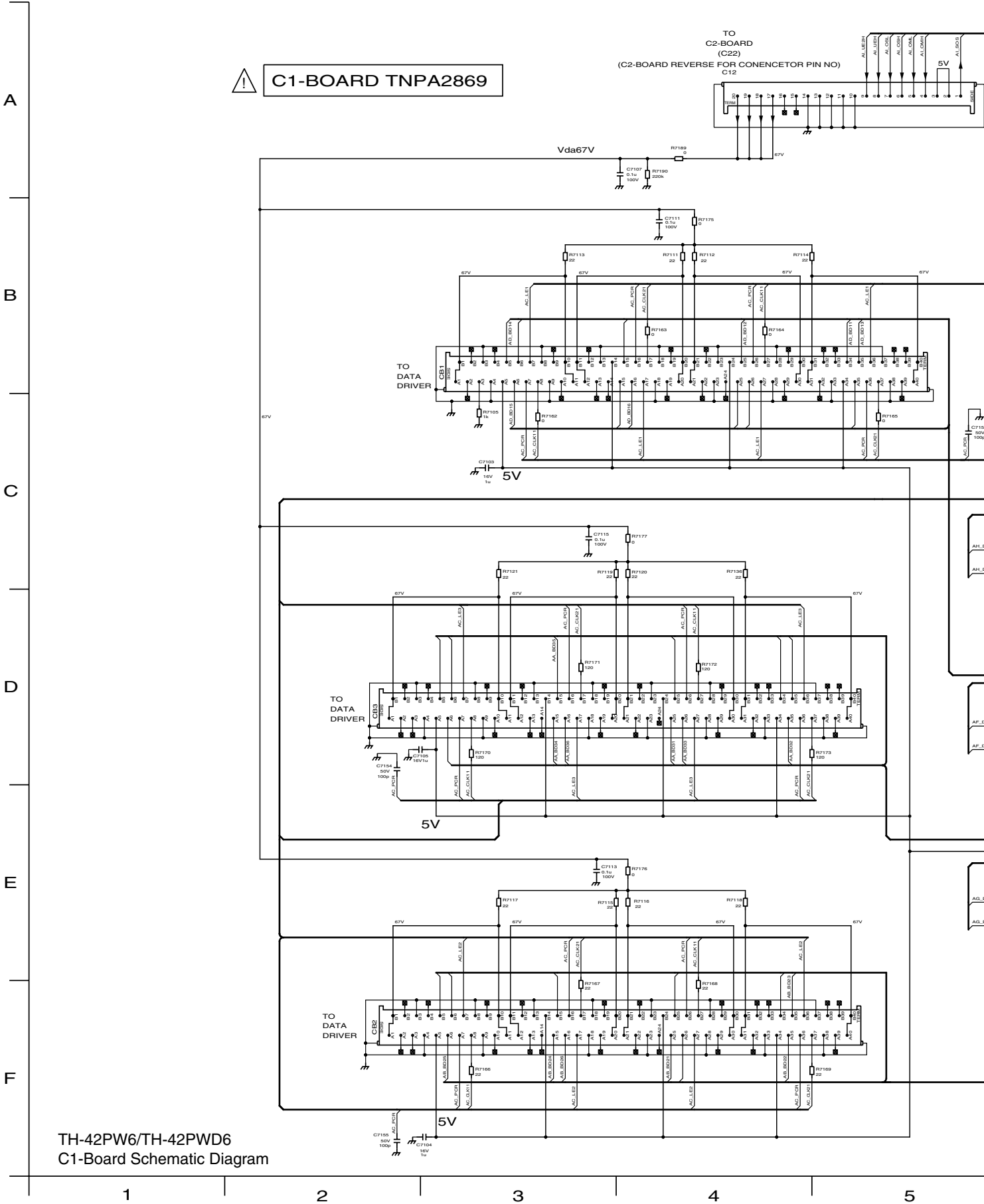
14.29. C1, C2 and V1-Board Block Diagram

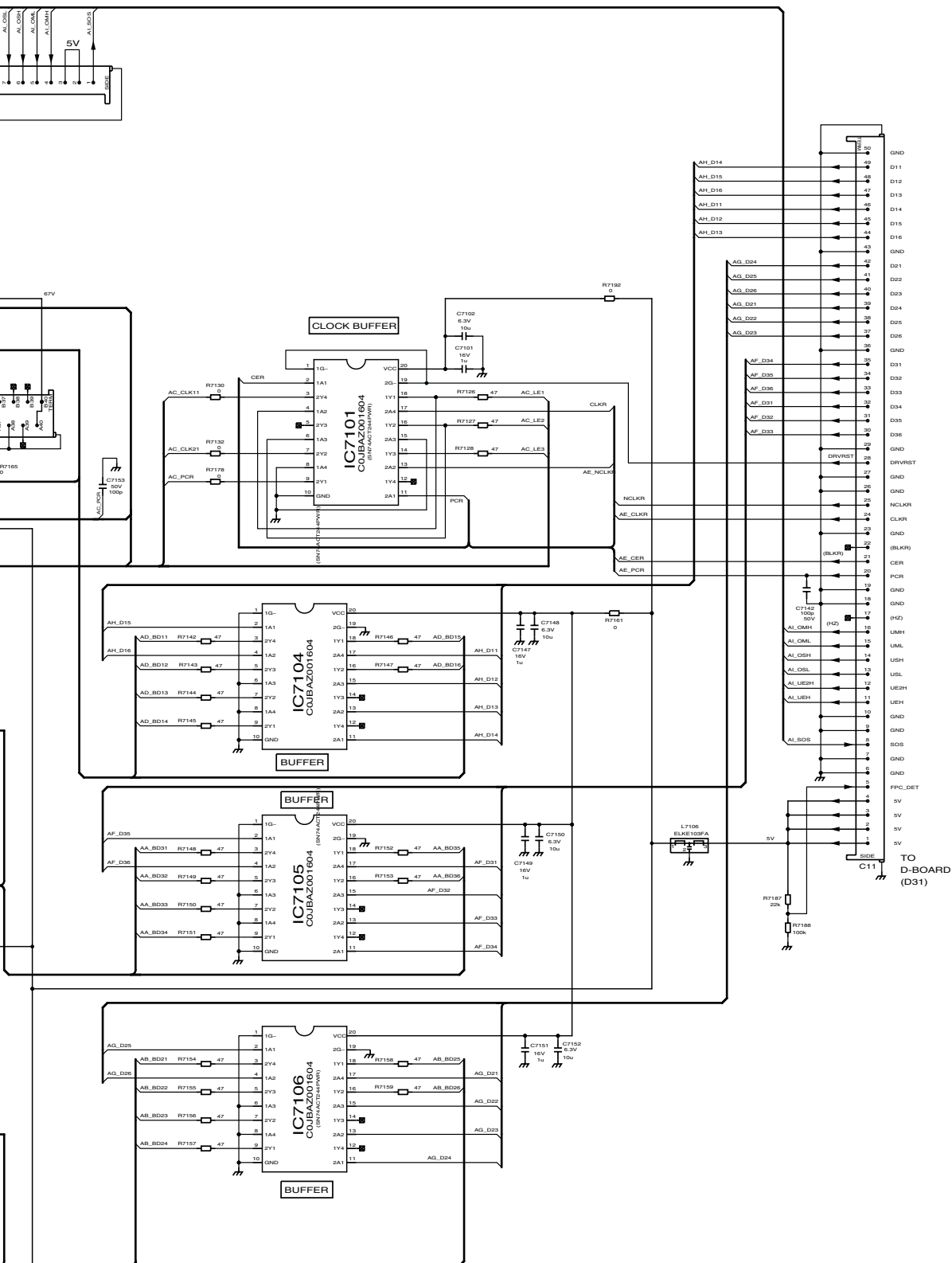




TH-42PW6/TH-42PWD6
C1,C2 and V1-Board Block Diagram

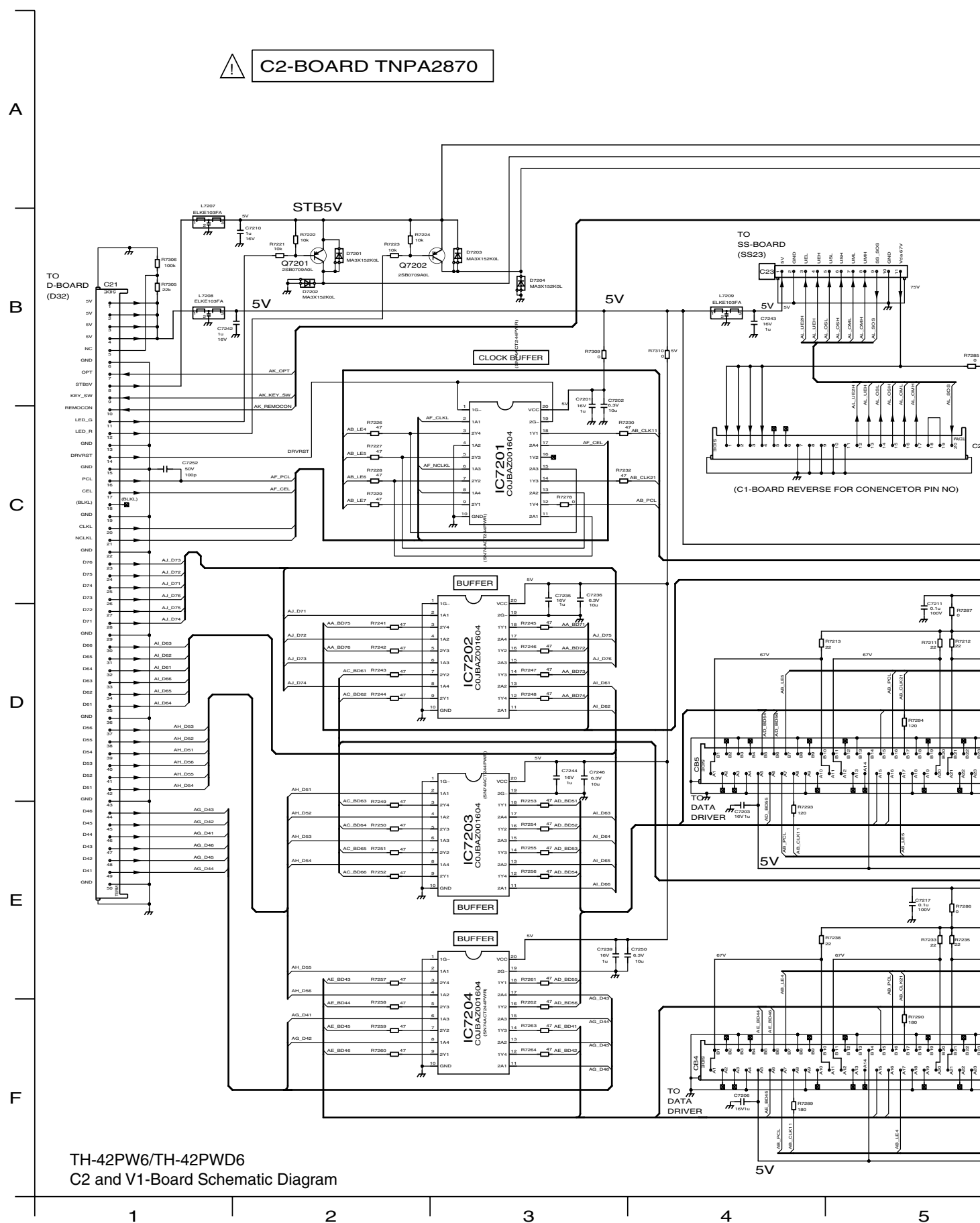
14.30. C1-Board Schematic Diagram

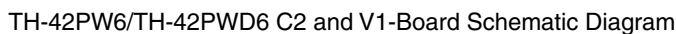




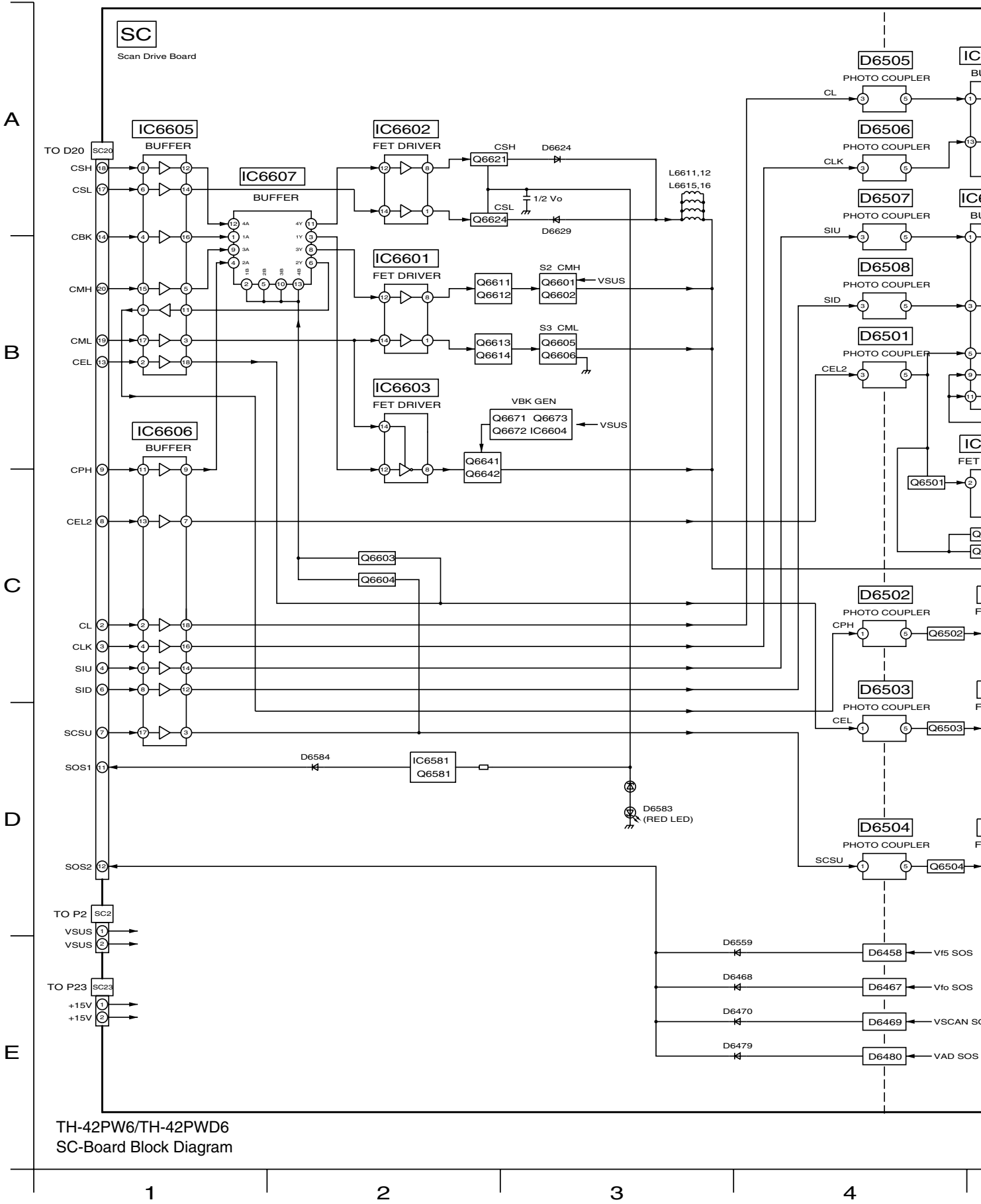
TH-42PW6/TH-42PWD6
C1-Board Schematic Diagram

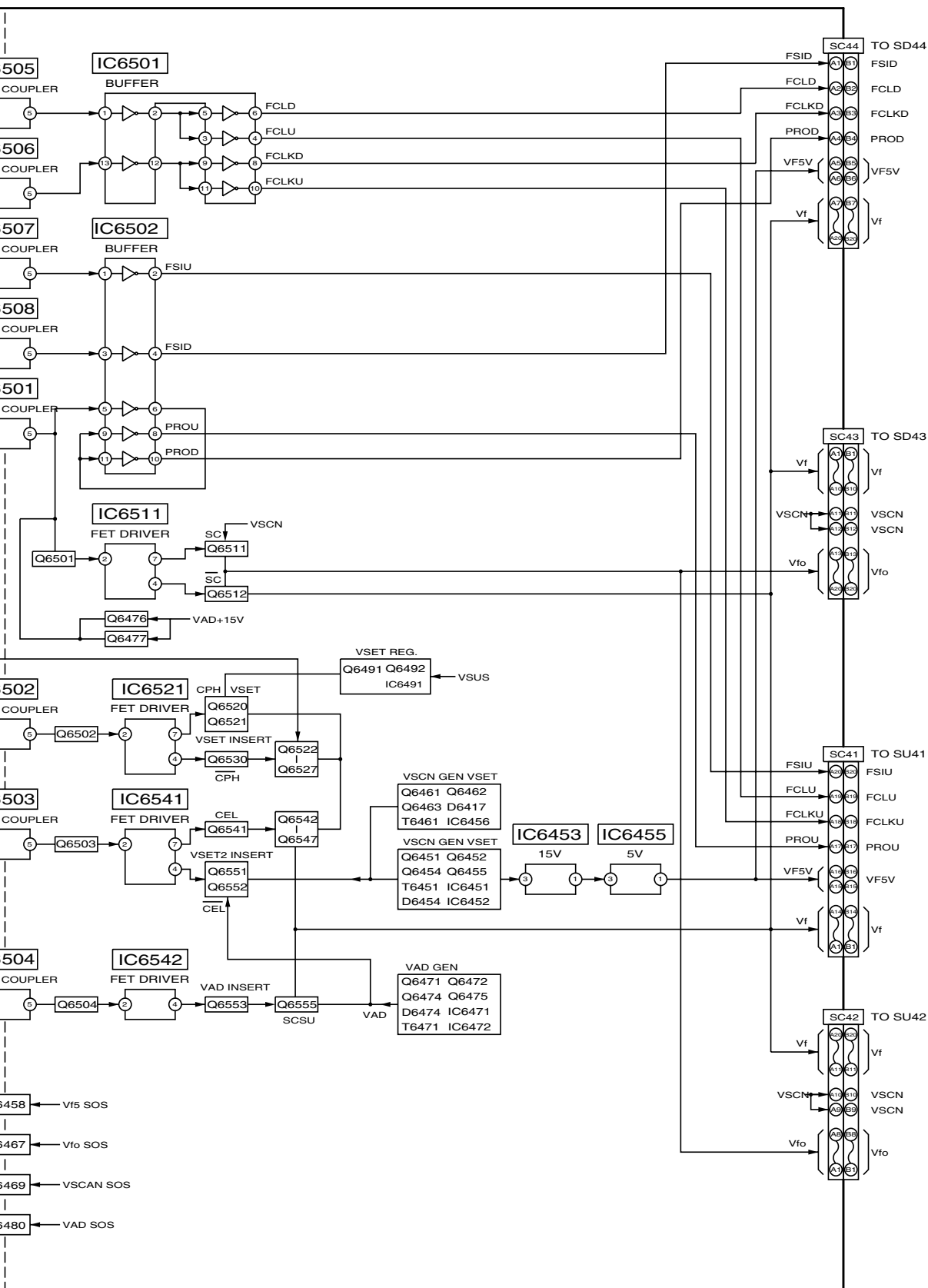
14.31. C2 and V1-Board Schematic Diagram





14.32. SC-Board Block Diagram





TH-42PW6/TH-42PWD6
SC-Board Block Diagram

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14.33. SC-Board (1 of 2) Schematic Diagram

A



SC-BOARD TXNSC10QBS (1/2)

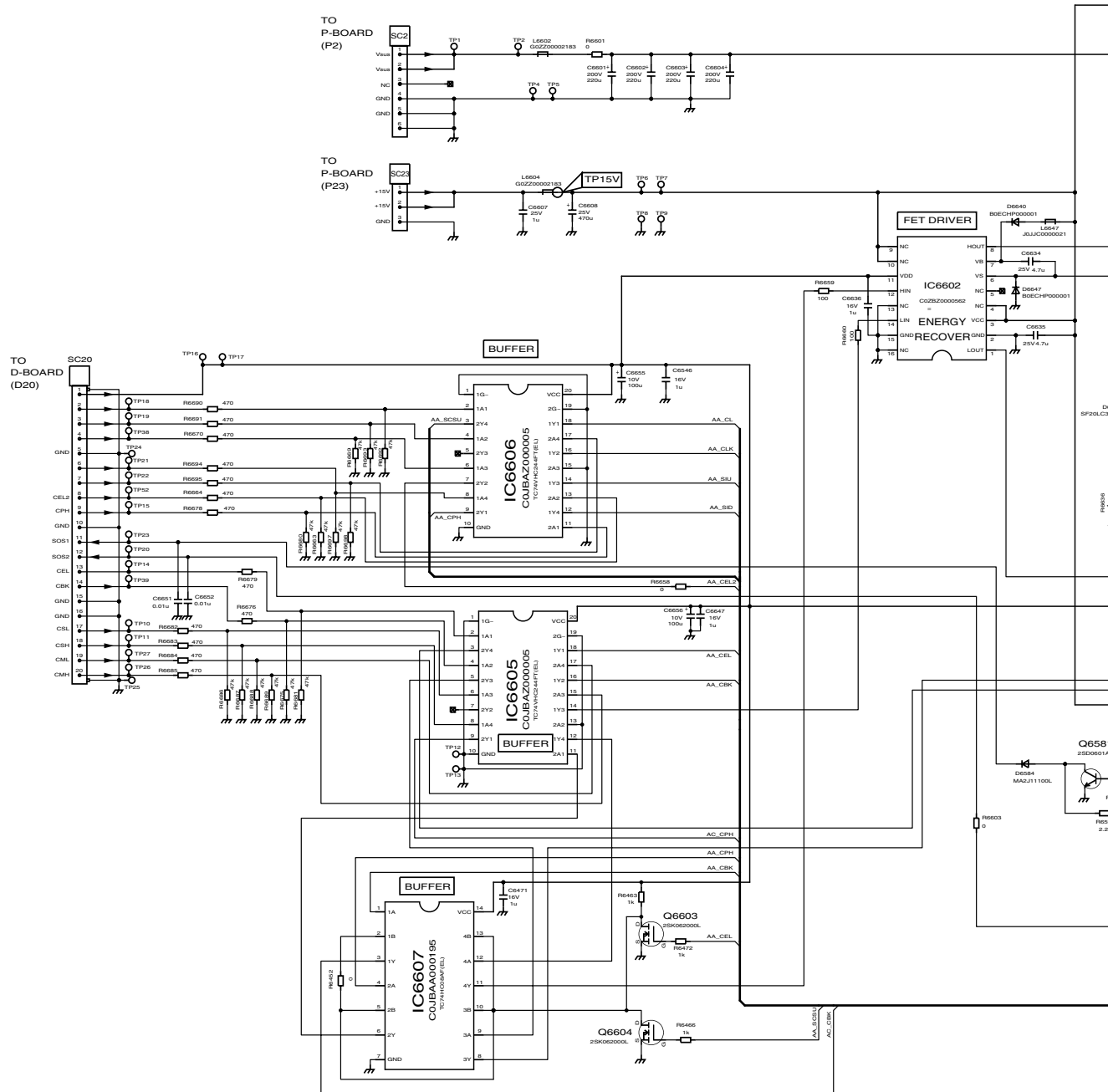
B

C

D

E

F



TH-42PW6/TH-42PWD6
SC-Board(1of2)Schematic Diagram

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2

3

4

5

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④

6

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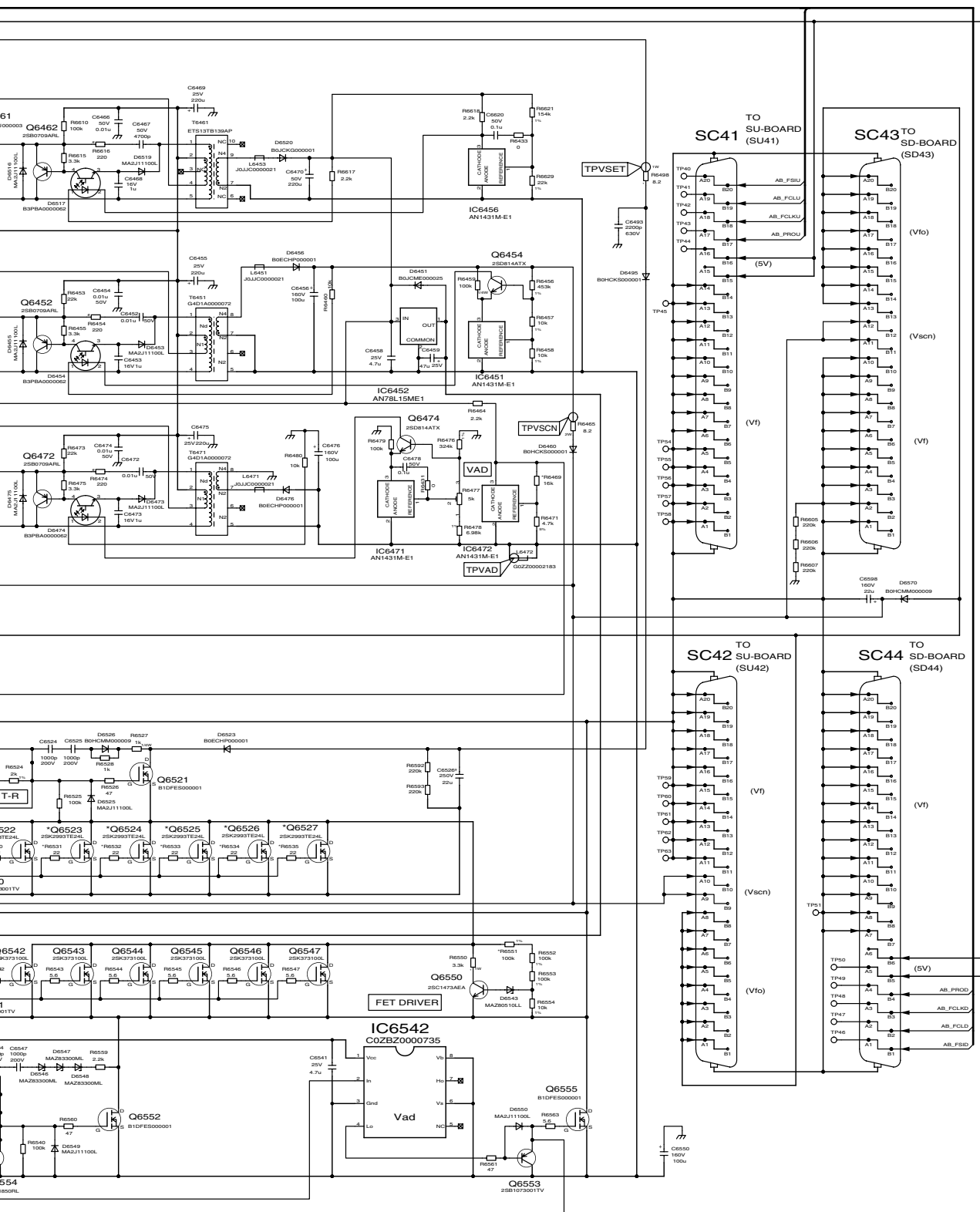
10

11

12

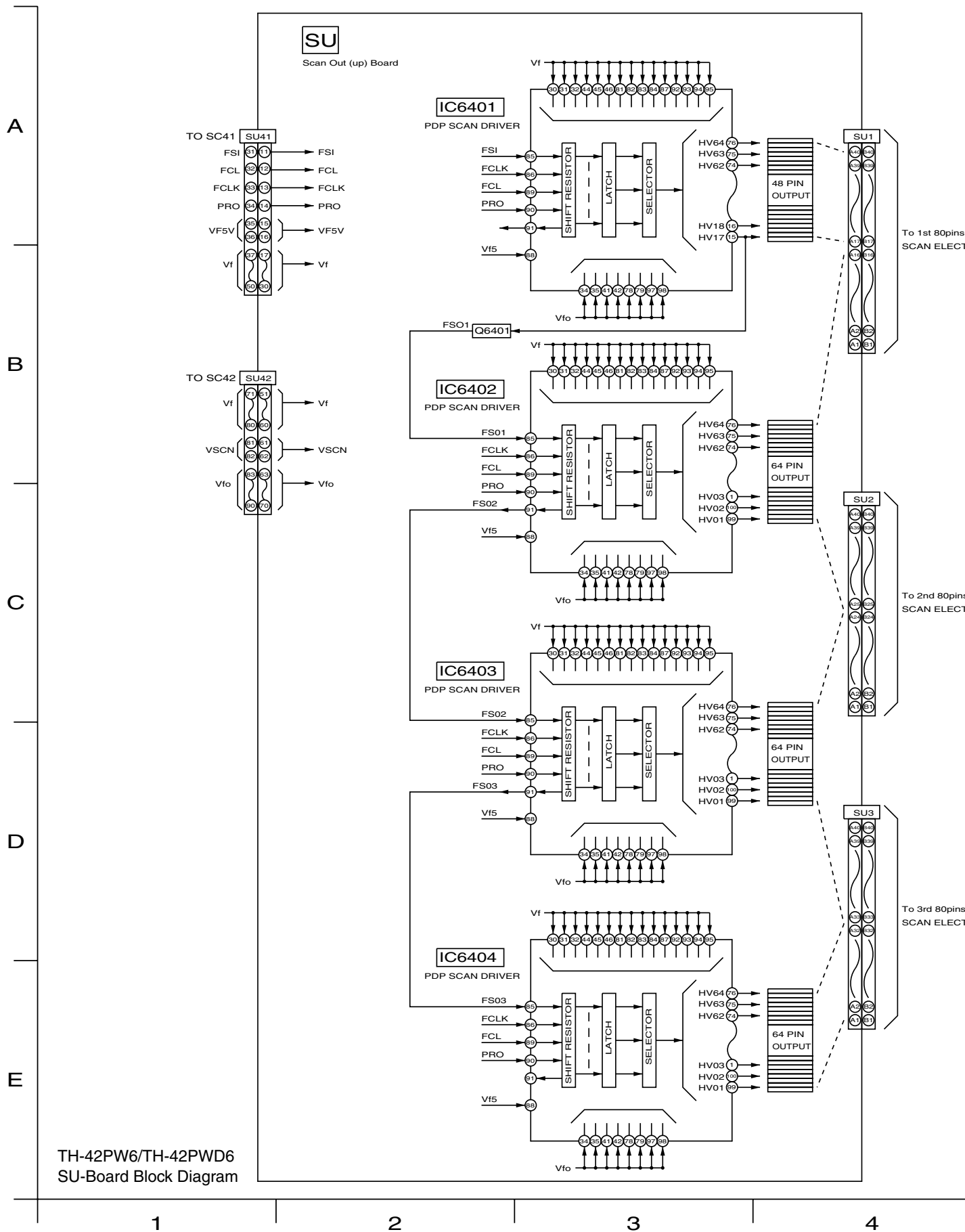
13

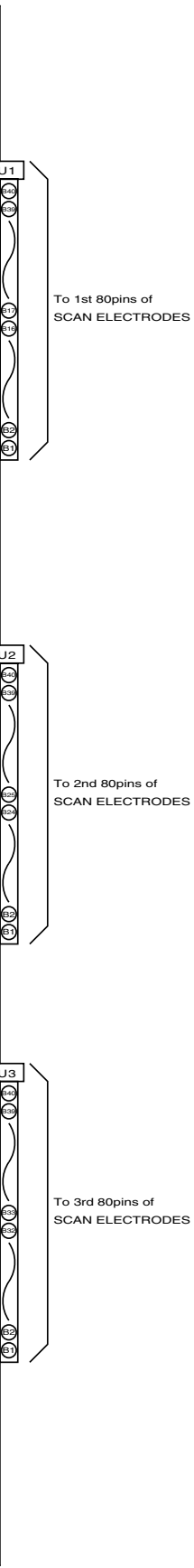
14



TH-42PW6/TH-42PWD6
SC-Board(2of2)Schematic Diagram

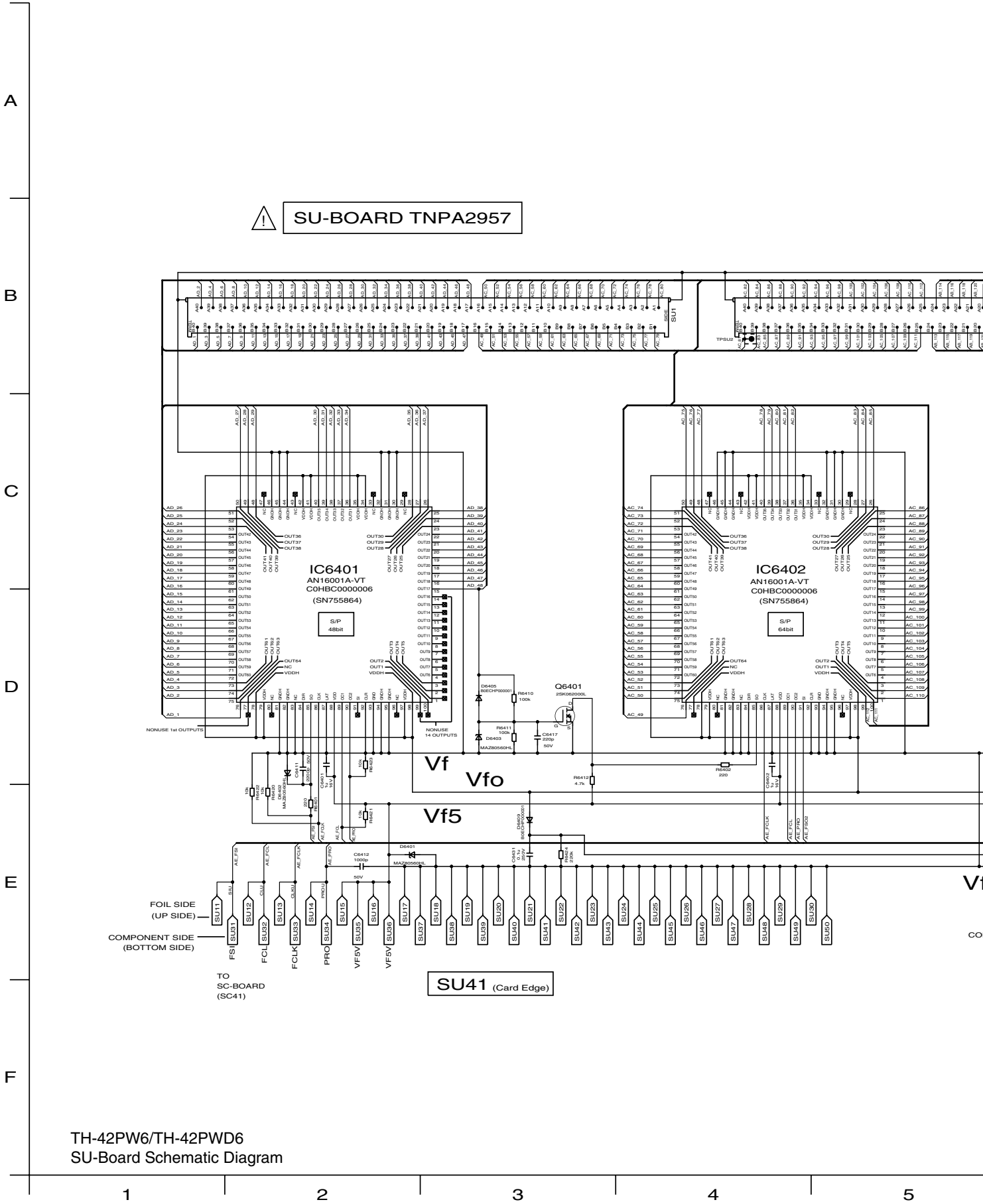
14.35. SU-Board Block Diagram





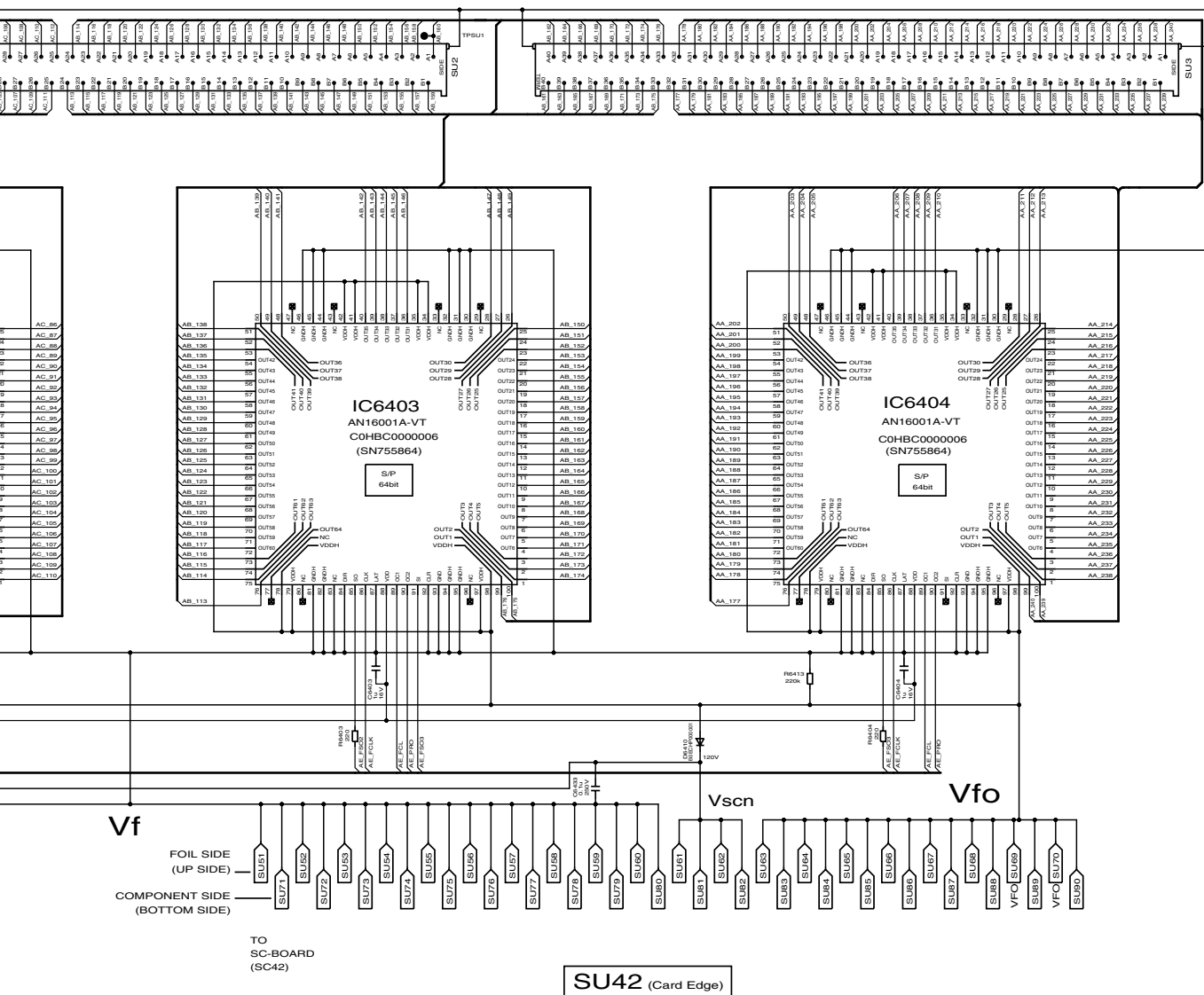
TH-42PW6/TH-42PWD6
SU-Board Block Diagram

14.36. SU-Board Schematic Diagram



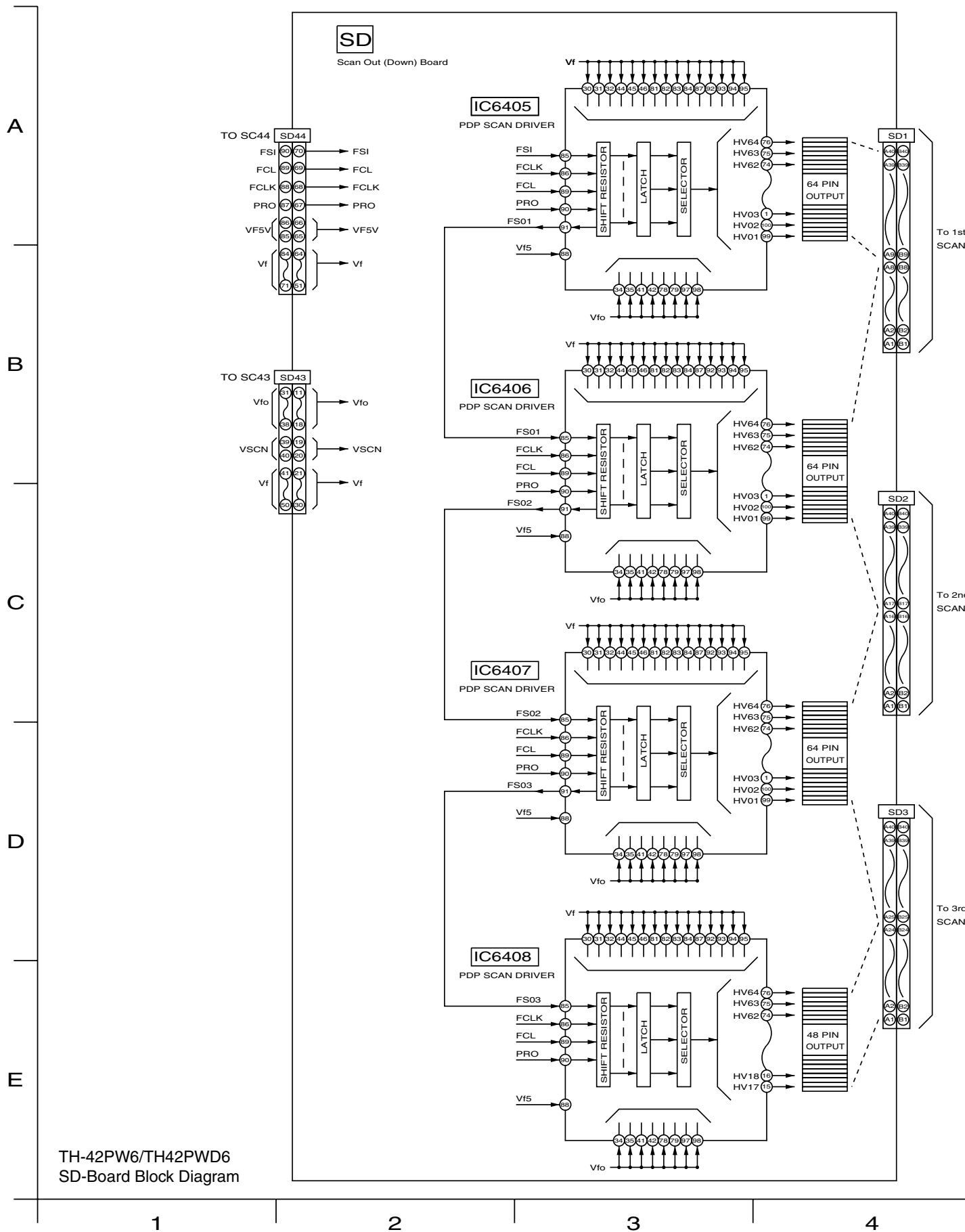
TH-42PW6/TH-42PWD6
SU-Board Schematic Diagram

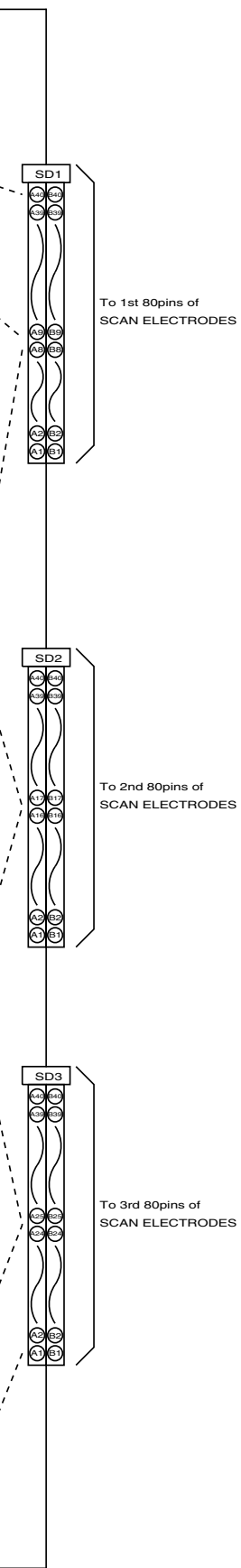
UP



TH-42PW6/TH-42PWD6
SU-Board Schematic Diagram

14.37. SD-Board Block Diagram

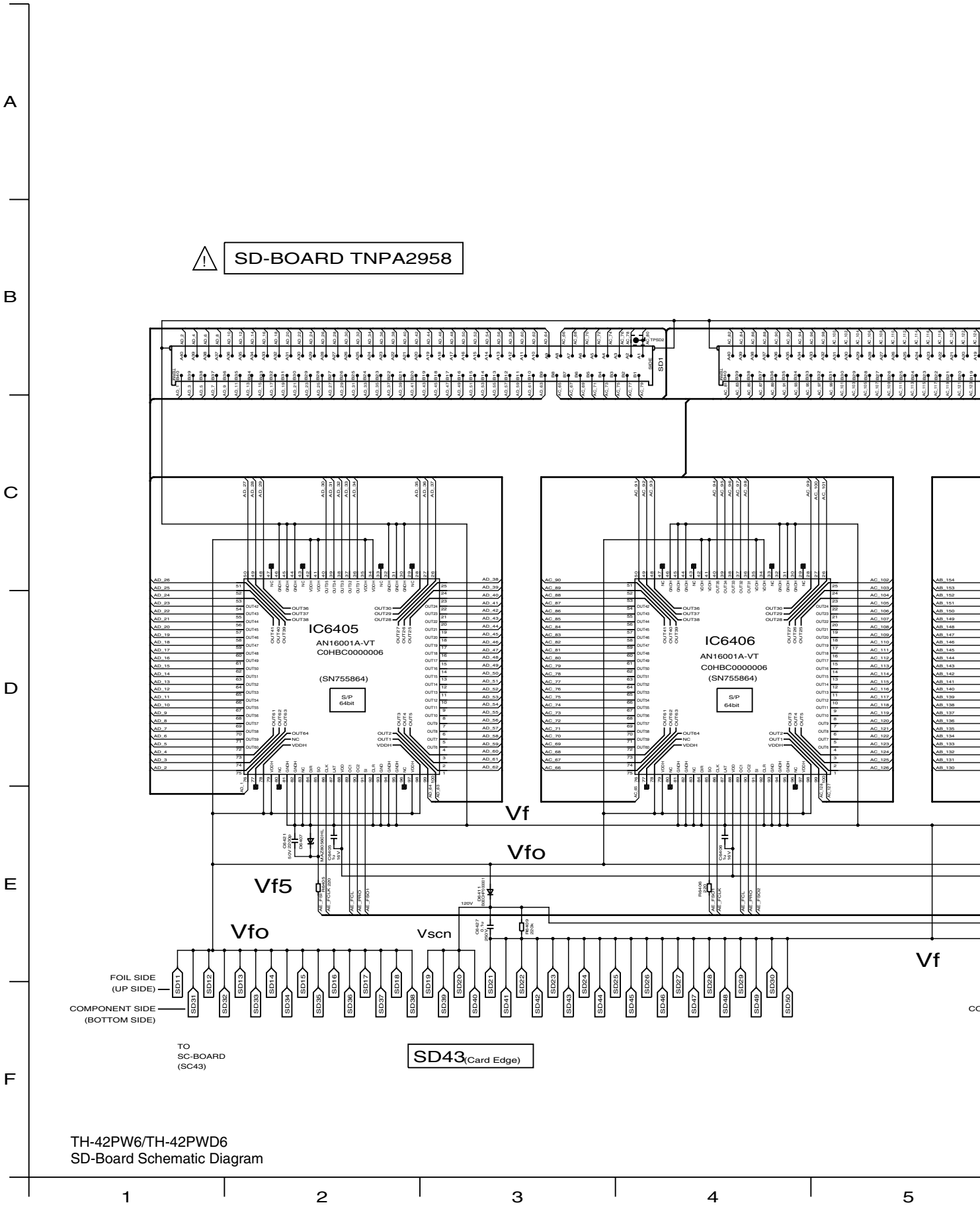




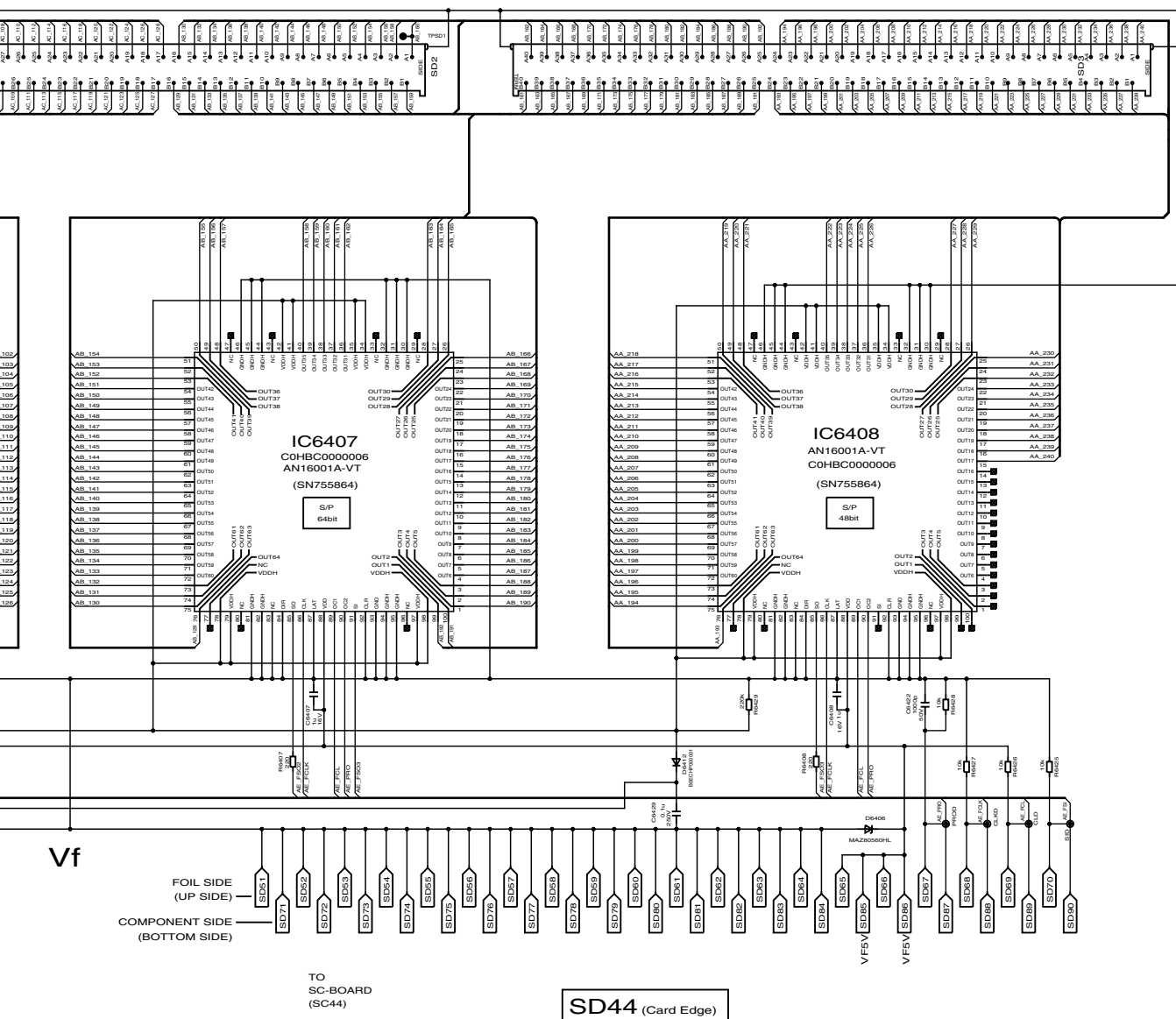
TH-42PW6/TH42PWD6
SD-Board Block Diagram

4 5 6 7 8

14.38. SD-Board Schematic Diagram

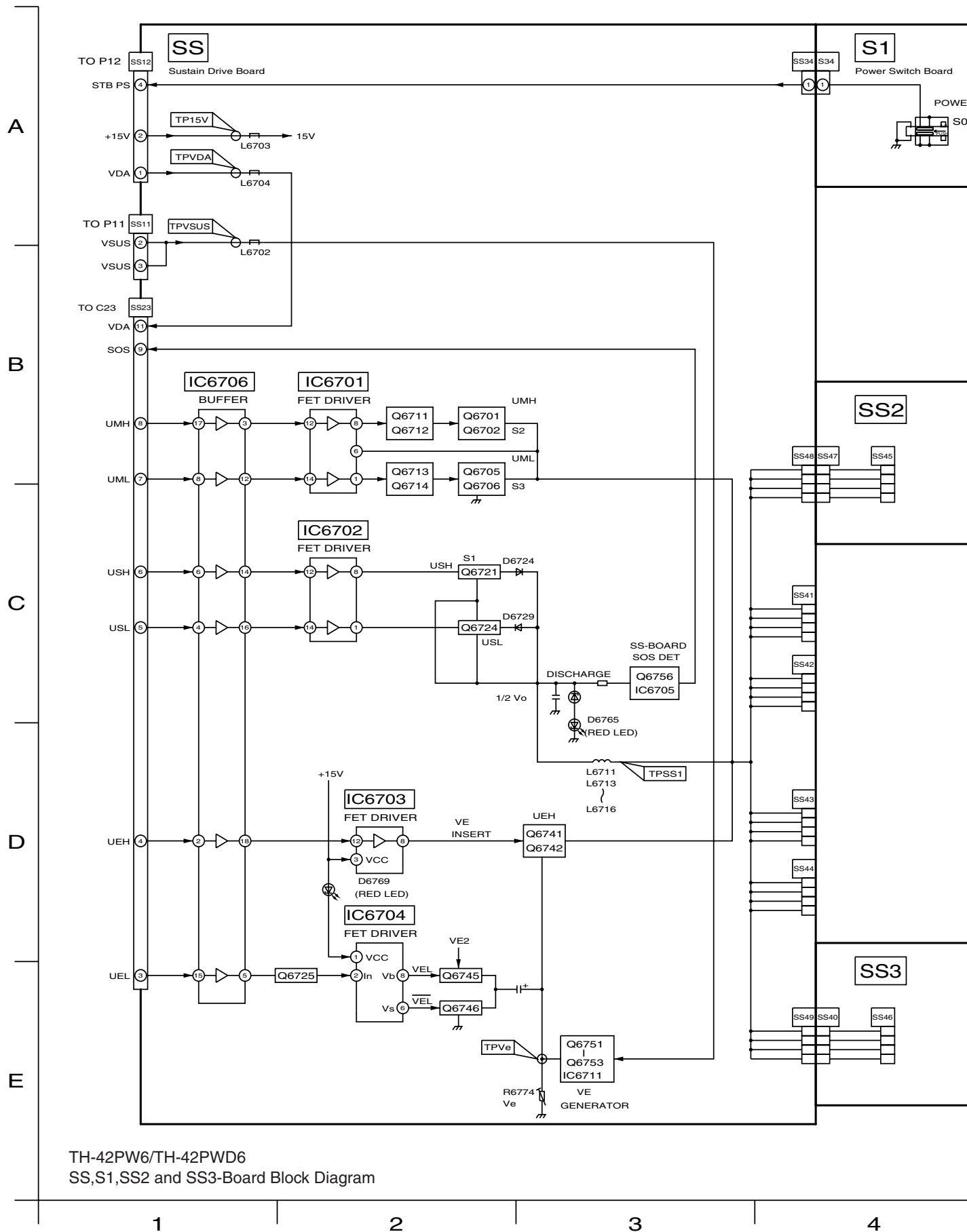


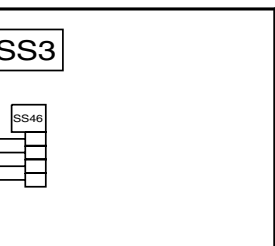
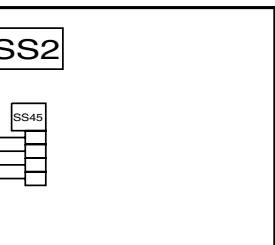
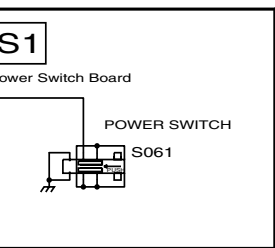
DOWN



TH-42PW6/TH-42PWD6
SD-Board Schematic Diagram

14.39. SS, S1, SS2 and SS3-Board Block Diagram





TH-42PW6/TH-42PWD6
SS,S1,SS2 and SS3-Board Block Diagram

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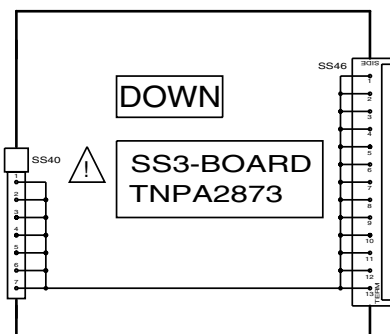
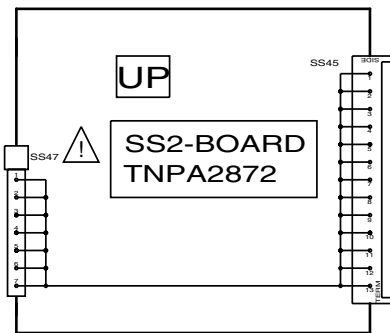
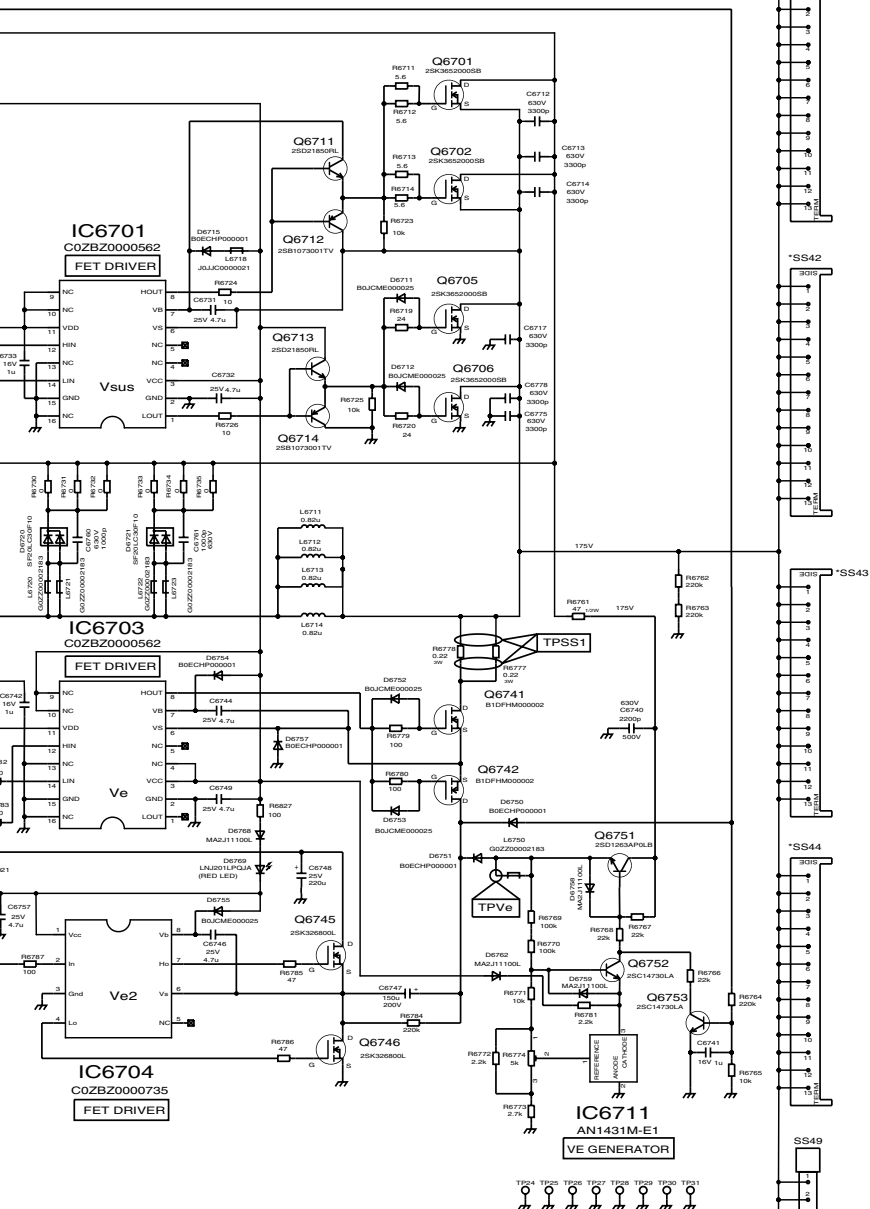
6

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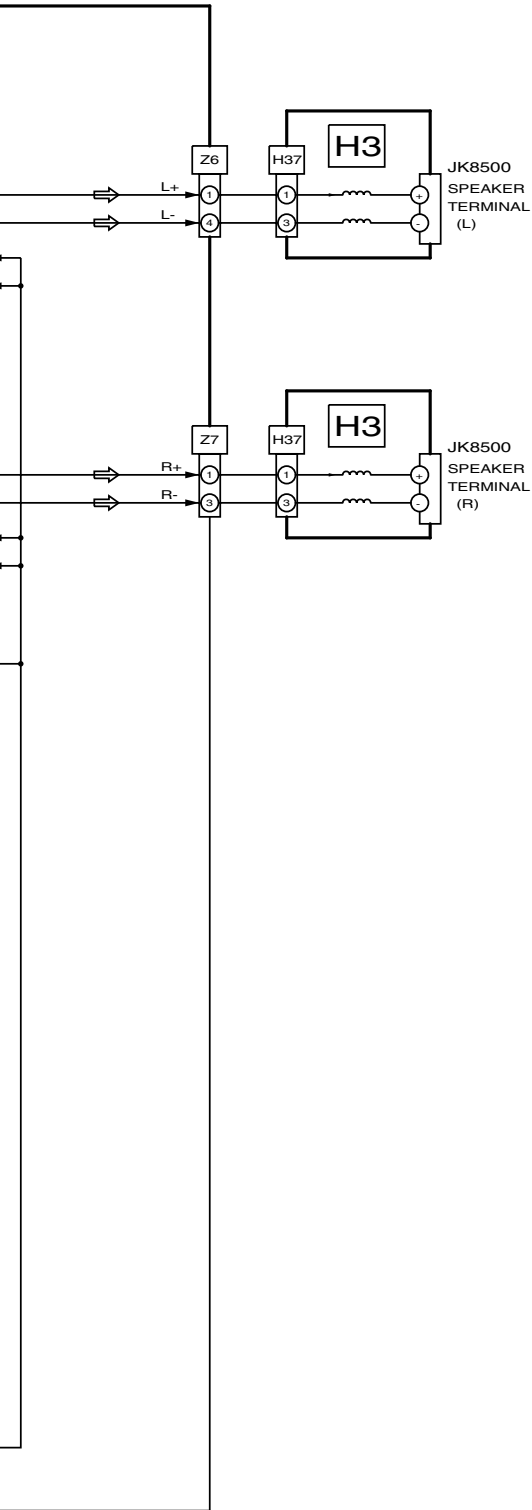


ARD TXNSS10QBS



TH-42PW6/TH-42PWD6 SS,S1,SS2 and SS3-Board Schematic Diagram

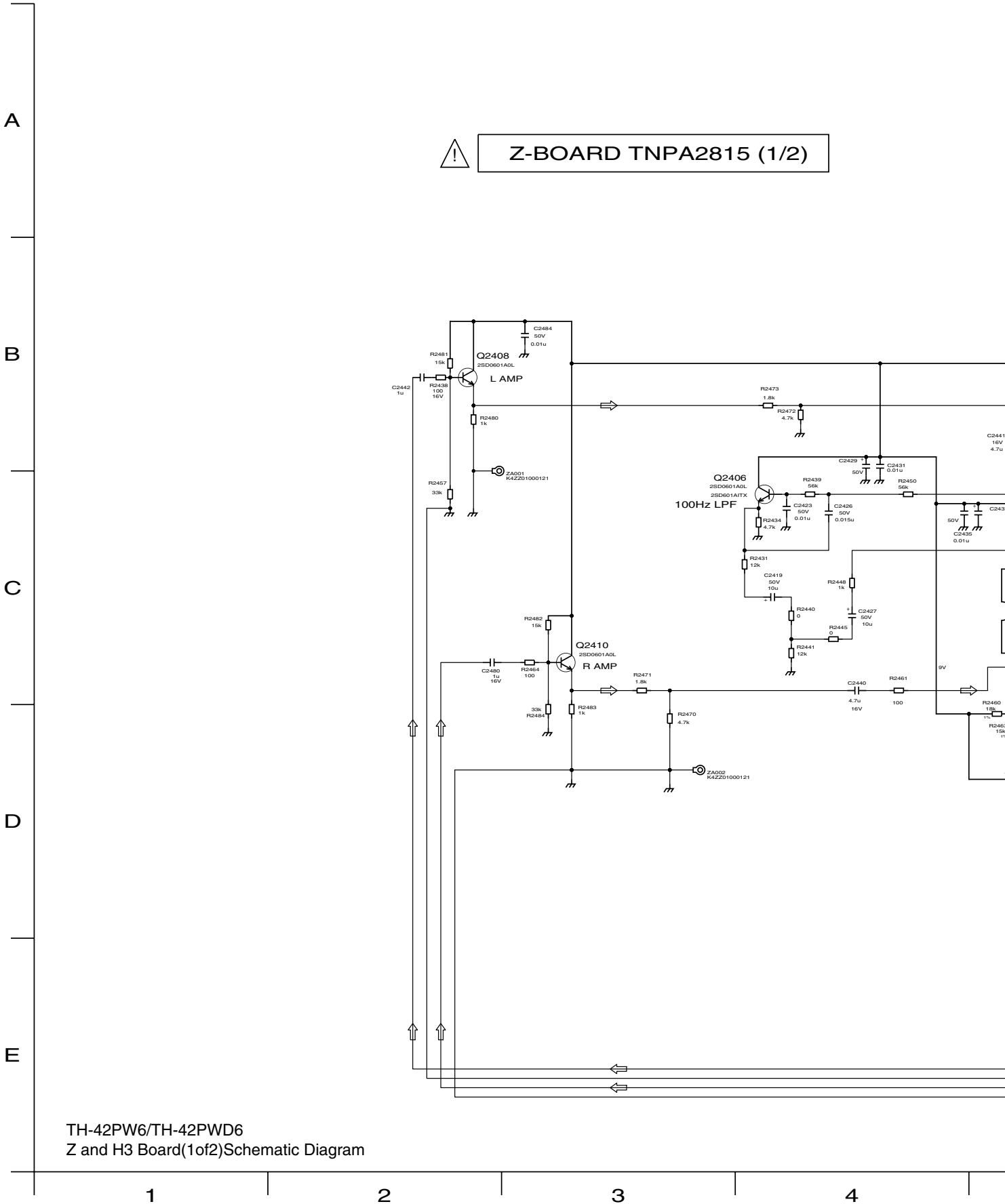


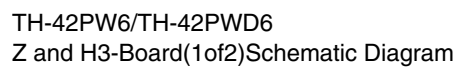


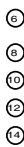
TH-42PW6/TH-42PWD6
Z and H3-Board Block Diagram

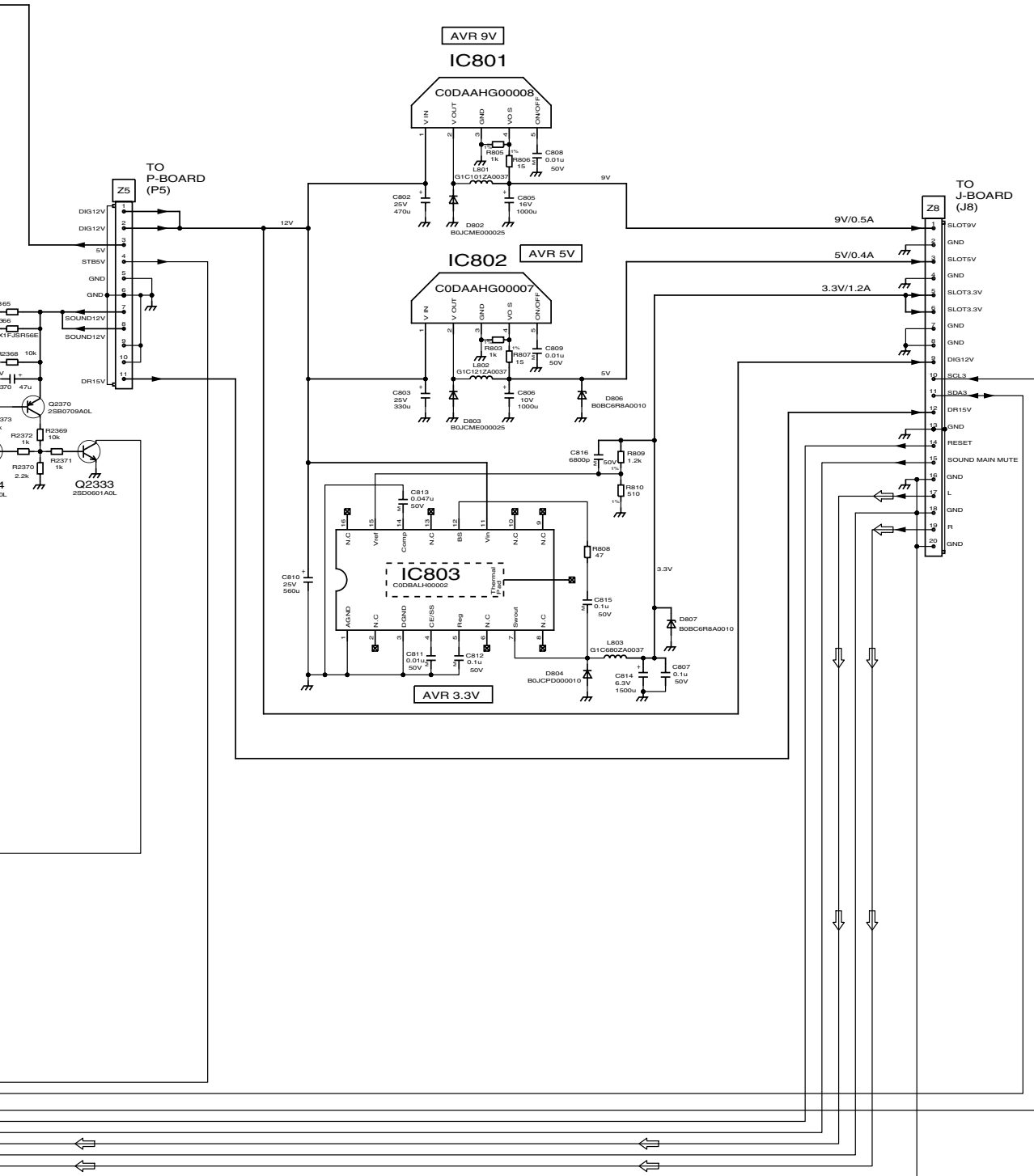
4 5 6 7 8

14.42. Z and H3-Board (1 of 2) Schematic Diagram









TH-42PW6/TH-42PWD6
 Z and H3-Board(2of2)Schematic Diagram

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